

Unalakleet River
Test Net Project, 1988

by

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INTRODUCTION

The Unalakleet River system empties into Norton Sound approximately 130 miles from the Nulato Hills westward to the Bering Sea and drains an area of 1087 square miles. Five major tributaries comprise the system, all of which support spawning salmon.

The town of Unalakleet is situated at the mouth of the Unalakleet River, the most important salmon producing river in Norton Sound. Historically, the people of the area have depended on the salmon runs, both for subsistence needs and as a basis of the cash economy.

Attempts to assess salmon escapement have included aerial surveys, counting towers and side scan sonar (Lean 1984, 1985, and 1986b). Inseason subsistence surveys have been used to assess timing, magnitude and the duration of the chinook salmon return (Lean, 1986a, Bue and Lean, 1988). Hydroacoustic counting techniques have been used unsuccessfully in three prior years (Lean and Peterson, 1982, 1983 and 1984). Test fishing with set gill nets in the river has been utilized since 1981 to provide an index of return strength by species (Lean and Peterson, 1981 and Lean, 1986a, Bue and Lean, 1988). This report presents test fishing results from the 1988 season.

Methods

Project Deployment

Test fishing began June 6 and ended September 12. The same site has been used since 1981 and is located approximately three miles upstream from the Unalakleet River mouth on the north bank (Figure 1). Chinook salmon subsistence fishermen were interviewed daily from June 6 to June 30.

Test Fishing

Similar gear for set gillnet test fishing has been used since 1981. Nets with mesh size 5 7/8" stretch measure and 20 fathoms in length were fished exclusively this season. All nets were made of multifilament nylon #63 (210/18) twine, light green in color with cork lines of 1/2 inch braided nylon stretch measure and "spongex" floats at 30 inch intervals. Lead lines consisted of braided lead core line with a weight of 95 pounds per 100 feet. All nets were hung at a 2:1 ratio.

An effort has been made over the past seven summers to use standard technique in setting the nets. The crew has picked landmarks and tried to set the net in line with a willow bush that serves as the onshore anchor and the downstream point of

an island offshore from the net site. The standard nets have been cut to 20 fathoms length which causes the net to cover the northern half of that river channel.

The test net was fished throughout the season with one day, usually Sunday, taken off each week. Test fishing days were 24 hours in duration and began at 9:00 a.m.

The gill nets were normally picked twice daily and more often to prevent fish or debris saturation. Occasionally the net was left unchecked for more than 24 hours to collect data on days off during peak migration periods.

All fish caught in the test net were delivered to Martha Nanouk, a local subsistence fisher, as per agreement for the use of her traditional set net site. When Mrs. Nanouk did not want fish, she would decide who to give them to among the village elders. From the daily catch and time fished a daily catch per unit effort (CPUE) of catch/100 fathom/hours could be calculated for each species. Cumulative CPUE (calculated as cumulative catch/100 fathom/cumulative hours) was calculated beginning with the first chinook and pink salmon captured, and the tenth coho and chum salmon, to compensate for fishing time expended prior to the beginning of the salmon runs.

Catch Sampling

Commercial catch sampling goals were 500 chinook salmon from both Unalakleet and Shaktoolik subdistricts, 300 coho salmon and 1,500 chum salmon from the Unalakleet subdistrict. Chum salmon were to be collected from June 25 to July 28 at the rate of 150 samples per period.

Age, sex and length data were collected from all chinook, coho and chum salmon caught in the test net. Pink salmon were only counted. Data were recorded on standard "mark sense" data entry forms. Scales were mounted on gum cards and pressed on acetate cards. Aging was done by Gary Kneupfer and Charles Lean in Kotzebue by projecting the scale impression on a microfiche reader. Three scales were taken from each chinook and coho to compensate for regenerated and unreadable scales. Only one scale was required from chum salmon. Catch sampling was done outside the bunk house and the catch was distributed to subsistence users soon after.

Subsistence Survey

One to four subsistence fishermen were interviewed daily from June 6 to July 30 as an additional index of the chinook run. Fishermen were chosen for reliability and willingness to share

catch information. Mean daily catches and locations were compared daily in an effort to track the movement and magnitude of the chinook run.

Results

Test Fishing

A total of 13 chinook (93% male, 7% female), 178 coho (58% male, 42% female), 868 pink and 494 chum (59% male, 41% female) salmon were captured in the test nets from June 6 to September 12. Based on daily CPUE, peak salmon passage occurred on June 22 for chinook, August 8 for coho, July 11 for pinks and July 30 for chum salmon. Daily CPUE data is presented in Appendices 1-4.

Appendices 1-4 show the standardized cumulative CPUE for salmon caught in the Unalakleet River test net. All CPUE values shown in these tables are calculated using the same method. The 1981 catch and CPUE are not comparable to subsequent years because of fishing site conflicts during July and August with the Nanouk family.

Comparative statistics show that 1988 chinook and chum salmon cumulative CPUE are the lowest catch rates since the project began. The cumulative CPUE for coho salmon is 14% below the previous 5-year average (1983-87). Pink salmon catches were strong, falling below only the record years of 1982 and 1984. The catch data indicates that pink salmon are on an odd-even year cycle with odd year returns being much weaker than even year returns.

Catch Sampling

Commercial catch sampling produced 298 usable chinook salmon, 248 coho salmon and 1506 chum salmon samples from the Unalakleet subdistrict. Tables 1-8 present the age, sex and length data collected by project staff in both the commercial and test gear types. Small male chinook salmon comprised the greatest percentage of the commercial catch but males comprised all but one of the chinooks in the test net catch. The test net's small mesh combined with the effects from the large mesh commonly used in the commercial fishery would tend to increase the test net's catch of small male chinook salmon. Coho salmon were primarily 4 year old fish and had equal sex ratios for both the commercial and test fisheries. Four and five year old chum salmon appeared approximately in equal proportions in both fisheries with an equal sex ratio for the commercial fishery.

Subsistence Survey

The inseason subsistence surveys conducted during the chinook salmon subsistence fishery showed fishing effort remaining at relatively low levels in the Unalakleet River through the period of high chinook catches. Subsistence effort increases later when the pink salmon migration gained strength. Apparently some subsistence fishermen have reversed the recent trend and have moved their nets targeting chinooks back to the ocean.

Discussion

The 1984 project report presented all the test catches to that time. This project now serves as an index of escapement so only 5 7/8" test nets are used and only historic data from that net size is presented here for comparison. The other mesh sizes have been dropped since the test net catches are no longer used to apportion sonar counts by species.

Comparisons of cumulative CPUE by year for each salmon species show a correlation between the commercial and test fisheries (Figure 2). Both commercial CPUE and test fish CPUE indices are useful management tools when combined with run timing data (Table 10, Figure 3, and Appendices 1-4). An example would be the coho run in 1985 when it became evident that the run was weak from comparing catch rates with catches from the same time in previous years. Commercial fishing time was reduced which resulted in a near average test fish CPUE by the end of the season.

Currently an escapement index has not yet been fully developed. Tower counts and aerial surveys for the North River are too few and inconsistent to provide an adequate data base for annual comparisons or comparisons with other indices (Table 11). Even if a good database were present, it is not known how the North River compares to the entire Unalakleet River system. Presently the best index of escapement for the Unalakleet System is thought to be the test fish project which can now be used to evaluate the relative size of returns from recent brood years.

Once again, commercial catch sampling goals were not reached this year. Given the current situation, where the AWL information does not play a role during inseason management, it may be reasonable to decrease the goals, particularly those for chinook salmon. In order to improve quality, the fish buyer shipped the salmon out shortly after the deliveries were made in 1988. Consequently there were fewer opportunities and less time to obtain the desired samples as compared to other years.

Subsistence interviews were difficult this year. More than a

dozen subsistence fishermen often had to be contacted in order to find three or four people who actually fished that day. Nets were constantly being moved, pulled and set, or loaned to someone else. Therefore catch rates varied greatly depending on the individual interviewed.

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Table 1. Age, sex, and length (mm) of chinook salmon sample from the Unalakleet commercial harvest, 1988.

| | Brood Year and Age Group | | | | | | | |
|----------------|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1984 1.2 | 1983 1.3 | 1983 2.2 | 1982 1.4 | 1982 2.3 | 1981 1.5 | 1981 2.4 | 1980 2.5 |
| Females | 1 | 12 | 00 | 96 | 4 | 9 | 12 | 3 |
| Percent | 00 | 4 | 00 | 32 | 1 | 3 | 4 | 1 |
| Mean Length | 635 | 754 | 00 | 850 | 836 | 937 | 868 | 901 |
| Std. Error 1/ | 00 | 19 | 00 | 5 | 41 | 27 | 12 | 20 |
| | | | | | | | | |
| Males | 20 | 68 | 2 | 54 | 6 | 2 | 7 | 2 |
| Percent | 7 | 23 | 1 | 18 | 2 | 1 | 2 | 1 |
| Mean Length | 581 | 687 | 694 | 824 | 808 | 921 | 784 | 914 |
| Std. Error 1/ | 9 | 9 | 79 | 13 | 20 | 21 | 42 | 29 |
| | | | | | | | | |
| Sexes Combined | 21 | 80 | 2 | 150 | 10 | 11 | 19 | 5 |
| Percent | 7 | 27 | 1 | 50 | 3 | 4 | 6 | 2 |
| Mean Length | 584 | 697 | 694 | 841 | 819 | 934 | 837 | 906 |
| Std. Error 1/ | 9 | 9 | 79 | 6 | 19 | 22 | 19 | 14 |

1/ Standard error of mean length.

Table 2. Catch, age, sex and length (mm) of chinook salmon from the Shaktoolik District commercial harvest, 1988.

| | 1981 Brood Year and 1.4 Age Group | | | | |
|----------------|-----------------------------------|-------------|-------------|-------------|-------------|
| | 1984 1.2 | 1983 1.3 | 1983 2.2 | 1982 1.4 | 1981 1.5 |
| Females | 0 | 2 | 0 | 23 | 2 |
| Percent | 00 | 3 | 00 | 33 | 3 |
| Mean Length | 00 | 799 | 00 | 858 | 891 |
| Std. Error 1/ | 00 | 24 | 00 | 9 | 43 |
| Males | 8 | 25 | 1 | 8 | 1 |
| Percent | 11 | 36 | 1 | 11 | 1 |
| Mean Length | 573 | 701 | 610 | 819 | 997 |
| Std. Error 1/ | 12 | 17 | 00 | 20 | 00 |
| Sexes Combined | 8 | 27 | 1 | 31 | 3 |
| Percent | 11 | 39 | 1 | 44 | 4 |
| Mean Length | 573 | 708 | 610 | 848 | 926 |
| Std. Error 1/ | 12 | 17 | 00 | 9 | 43 |

1/ Standard error of mean length

Table 3. Catch, age, sex and length (mm) of chinook salmon from the Unalakleet test fishery, 1988

| | Brood Year and Age Group | | | |
|----------------|--------------------------|-------------|-------------|-------------|
| | 1984 1.2 | 1983 2.2 | 1982 1.3 | 1981 1.4 |
| Females | 00 | 00 | 1 | 00 |
| Percent | 00 | 00 | 7 | 00 |
| Mean Length | 00 | 00 | 815 | 00 |
| Std. Error 1/ | 00 | 00 | 00 | 00 |
| Males | 4 | 1 | 7 | 1 |
| Percent | 29 | 7 | 50 | 7 |
| Mean Length | 6.48 | 6.42 | 7.71 | 8.21 |
| Std. Error 1/ | 41 | 00 | 37 | 00 |
| Sexes Combined | 4 | 1 | 8 | 1 |
| Percent | 29 | 7 | 57 | 7 |
| Mean Length | 6.48 | 6.42 | 7.76 | 8.21 |
| Std. Error 1/ | 41 | 00 | 33 | 00 |

1/ Standard error of mean length.

Table 4. Age, sex and length (mm) of coho salmon sample from the Unalakleet commercial harvest, 1988

| | Brood Year and Age Group | |
|----------------|--------------------------|-------------|
| | 1984 2.1 | 1983 3.1 |
| Females | 103 | 8 |
| Percent | 42 | 3 |
| Mean Length | 575 | 585 |
| Std. Error 1/ | 2 | 2 |
| | | |
| Males | 129 | 8 |
| Percent | 52 | 3 |
| Mean Length | 570 | 592 |
| Std. Error 1/ | 3 | 13 |
| | | |
| Sexes Combined | 232 | 16 |
| Percent | 94 | 6 |
| Mean Length | 572 | 588 |
| Std. Error 1/ | 2 | 6 |

1/ Standard error of mean length.

Table 5. Catch, age, sex and length (mm) of coho salmon from the Unalakleet test fishery, 1988

| Brood Year and Age Group | | |
|--------------------------|------|------|
| | 1984 | 1983 |
| | 2.1 | 3.1 |
| Females | 55 | 4 |
| Percent | 39 | 3 |
| Mean Length | 591 | 596 |
| Std. Error 1/ | 3 | 3 |
| | | |
| Males | 76 | 6 |
| Percent | 54 | 4 |
| Mean Length | 585 | 610 |
| Std. Error 1/ | 3 | 12 |
| | | |
| Sexes Combined | 131 | 10 |
| Percent | 93 | 7 |
| Mean Length | 588 | 604 |
| Std. Error 1/ | 2 | 7 |

1/ Standard error of mean length.

Table 6. Age, sex and length (mm) of chum salmon sample
from the Unalakleet commercial harvest, 1988

| | Brood Year and Age Group | | | | |
|----------------|--------------------------|-------------|-------------|-------------|-------------|
| | 1985 0.2 | 1984 0.3 | 1983 0.4 | 1982 0.5 | 1981 0.6 |
| Females | 3 | 387 | 290 | 16 | 2 |
| Percent | 00 | 26 | 19 | 1 | 00 |
| Mean Length | 558 | 576 | 586 | 601 | 579 |
| Std. Error 1/ | 17 | 1 | 1 | 8 | 21 |
| Males | 6 | 524 | 264 | 14 | 0 |
| Percent | 00 | 35 | 18 | 1 | 00 |
| Mean Length | 548 | 595 | 612 | 613 | 00 |
| Std. Error 1/ | 10 | 1 | 1 | 8 | 00 |
| Sexes Combined | 9 | 911 | 554 | 30 | 2 |
| Percent | 1 | 60 | 37 | 2 | 00 |
| Mean Length | 551 | 587 | 599 | 606 | 579 |
| Std. Error 1/ | 8 | 00 | 1 | 5 | 21 |

1/ Standard error of mean length.

Table 7. Catch, age, sex and length (mm) of chum salmon from the Unalakleet test fishery, 1988

| | Brood Year and Age Group | | | |
|----------------|--------------------------|-------------|-------------|-------------|
| | 1985 0.2 | 1984 0.3 | 1983 0.4 | 1982 0.5 |
| Females | 0 | 123 | 63 | 5 |
| Percent | 00 | 26 | 14 | 1 |
| Mean Length | 00 | 584 | 599 | 595 |
| Std. Error 1/ | 00 | 2 | 3 | 9 |
| | | | | |
| Males | 6 | 150 | 113 | 5 |
| Percent | 1 | 32 | 24 | 1 |
| Mean Length | 573 | 599 | 618 | 613 |
| Std. Error 1/ | 11 | 2 | 2 | 14 |
| | | | | |
| Sexes Combined | 6 | 273 | 176 | 10 |
| Percent | 1 | 59 | 38 | 2 |
| Mean Length | 573 | 592 | 611 | 604 |
| Std. Error 1/ | 11 | 1 | 2 | 8 |

1/ Standard error of mean length.

Table 8. Unalakleet River chinook salmon subsistence catch and effort, 1982-1988. 1/

| Date | 1982 | | | 1983 | | | 1984 | | |
|------|-------------|--------|------------|-------------|--------|------------|-------------|--------|------------|
| | # fisherman | # king | daily mean | # fisherman | # king | daily mean | # fisherman | # king | daily mean |
| 6/08 | | | 4 | | 3 | 0.8 | | | |
| 6/09 | | | 4 | | 1 | 0.2 | | | |
| 6/10 | | | 4 | | 7 | 1.8 | | | |
| 6/11 | | | 4 | | 2 | 0.5 | | | |
| 6/12 | | | 4 | | 2 | 0.5 | | | |
| 6/13 | | | 4 | | 0 | 0.0 | | | |
| 6/14 | 2 | 4 | 2.0 | 4 | 1 | 0.2 | | | |
| 6/15 | 3 | 0 | 0.0 | 4 | 23 | 5.8 | | | |
| 6/16 | 4 | 5 | 1.2 | 4 | 37 | 9.2 | | | |
| 6/17 | 3 | 5 | 1.7 | 4 | 25 | 6.2 | | | |
| 6/18 | 5 | 9 | 1.8 | 4 | 29 | 7.2 | | | |
| 6/19 | 6 | 9 | 1.5 | 4 | 29 | 7.2 | | | |
| 6/20 | 6 | 10 | 1.7 | 4 | 17 | 4.2 | | | |
| 6/21 | 5 | 10 | 2.0 | 4 | 11 | 2.8 | | | |
| 6/22 | 4 | 3 | .8 | 4 | 21 | 5.2 | | | |
| 6/23 | 4 | 7 | 1.8 | 4 | 24 | 6.0 | 3 | 1 | 0.3 |
| /24 | 4 | 6 | 1.5 | 4 | 25 | 6.2 | 4 | 5 | 1.2 |
| /25 | 4 | 13 | 3.2 | 3 | 6 | 2.0 | 5 | 18 | 3.6 |
| 6/26 | 4 | 2 | 0.5 | 3 | 14 | 4.7 | 5 | 13 | 2.6 |
| 6/27 | 3 | 3 | 1.0 | 3 | 15 | 5.0 | 4 | 20 | 5.0 |
| 6/28 | 3 | 9 | 3.0 | 4 | 14 | 3.5 | 5 | 66 | 13.2 |
| 6/29 | 3 | 8 | 2.7 | 4 | 10 | 2.5 | 5 | 22 | 4.4 |
| 6/30 | 4 | 7 | 1.8 | 4 | 6 | 1.5 | 5 | 25 | 5.0 |
| 7/01 | 5 | 16 | 3.2 | | | | 4 | 33 | 8.2 |
| 7/02 | 6 | 41 | 6.8 | | | | 3 | 41 | 13.7 |
| 7/03 | 5 | 73 | 14.6 | | | | 2 | 16 | 8.0 |
| 7/04 | 4 | 40 | 10.0 | | | | 2 | 9 | 4.5 |
| 7/05 | 3 | 24 | 8.0 | | | | 2 | 16 | 8.0 |
| 7/06 | 3 | 27 | 9.0 | | | | | | |
| 7/07 | 4 | 21 | 5.2 | | | | | | |
| 7/08 | 3 | 3 | 1.0 | | | | | | |
| 7/09 | 3 | 16 | 5.3 | | | | | | |
| 7/10 | 3 | 2 | 0.7 | | | | | | |
| 7/11 | 4 | 10 | 2.5 | | | | | | |
| 7/12 | 2 | 2 | 1.0 | | | | | | |
| 7/13 | 2 | 0 | 0.0 | | | | | | |
| 7/14 | | | | | | | | | |
| 7/15 | | | | | | | | | |
| 7/16 | | | | | | | | | |

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| Date | 1985 | | | | 1986 | | | | 1987 | | | |
|------|-------------|--------|------|---------------|-------------|--------|------|---------------|-------------|--------|-------|---------------|
| | # fishermen | # king | mean | observed nets | # fishermen | # king | mean | observed nets | # fishermen | # king | mean | observed nets |
| 6/06 | | | | | | | | | | | | |
| 6/07 | | | | | | | | | | | | |
| 6/08 | | | | | | | | | | | | |
| 6/09 | | | | | | | | | | | | |
| 6/10 | | | | | | | | | | | | |
| 6/11 | | | | | | | | | | | | |
| 6/12 | | | | | | | | | | | | |
| 6/13 | | | | | | | | | | | | |
| 6/14 | | | | | | | | | | | | |
| 6/15 | | | | | | | | | | | | |
| 6/16 | | | | | | | | | | | | |
| 6/17 | | | | | | | | | | | | |
| 6/18 | | | | | | | | | | | | |
| 6/19 | | | | | | | | | | | | |
| 6/20 | | | | | | | | | | | | |
| 9/21 | | | | | 6 | 27 | 4.5 | 21 | | 3 | 7 | 2.33 |
| 6/22 | | | | | 6 | 22 | 3.7 | 21 | | 3 | 3 | 1.00 |
| 6/23 | | | | | 5 | 13 | 2.6 | 16 | | 5 | 3 | 0.60 |
| 6/24 | | | | | 5 | 34 | 6.8 | 16 | | 3 | 4 | 1.33 |
| 6/25 | | | | | 6 | 93 | 15.5 | 15 | | 3 | 8 | 2.67 |
| | 4 | 1 | 0.2 | 16 | 3 | 87 | 29.0 | 20 | 1 | 1 | 1.00 | 22 |
| | 4 | 2 | 0.5 | 16 | 3 | 38 | 12.7 | 21 | 4 | 12 | 3.00 | 22 |
| 6/28 | 4 | 2 | 0.5 | 19 | 1 | 9 | 9. | 19 | 5 | 56 | 11.20 | 21 |
| 6/29 | 4 | 9 | 2.2 | 19 | 5 | 8 | 1.6 | 16 | 7 | 60 | 8.57 | 22 |
| 6/30 | 5 | 78 | 15.6 | 16 | 4 | 9 | 2.2 | 15 | 6 | 29 | 4.83 | 15 |
| 7/01 | 3 | 37 | 12.3 | 13 | 4 | 11 | 2.7 | 10 | 7 | 57 | 8.14 | 23 |
| 7/02 | 3 | 19 | 6.3 | 12 | 3 | 5 | 1.7 | 7 | 6 | 8 | 1.33 | 26 |
| 7/03 | 3 | 19 | 6.3 | 11 | 2 | 2 | 1.0 | 6 | 4 | 9 | 2.25 | 22 |
| 7/04 | 3 | 20 | 6.7 | 12 | | | | | 3 | 2 | 0.67 | 22 |
| 7/05 | 4 | 31 | 7.8 | 13 | | | | | | | 0.00 | |
| 7/06 | 4 | 5 | 1.2 | 12 | | | | | 4 | 11 | 2.75 | 17 |
| 7/07 | 3 | 14 | 4.7 | | | | | | 2 | 5 | 2.50 | 19 |
| 7/08 | 3 | 43 | 14.3 | 11 | | | | | 2 | 4 | 2.00 | 17 |
| 7/09 | 4 | 44 | 11.0 | 10 | | | | | 2 | 1 | 0.50 | 18 |
| 7/10 | 3 | 12 | 4.0 | 11 | | | | | 2 | 0 | 0.00 | 9 |
| 7/11 | 3 | 7 | 2.3 | 9 | | | | | 1 | 5 | 5.00 | 13 |
| 7/12 | 3 | 7 | 2.3 | 10 | | | | | 1 | 6 | 6.00 | |
| 7/13 | 3 | 9 | 3.0 | 11 | | | | | 1 | 0 | 0.00 | 9 |
| 7/14 | 4 | 3 | 0.8 | 10 | | | | | | | 0.00 | 10 |
| 7/15 | 3 | 11 | 3.7 | 12 | | | | | 1 | 0 | 0.00 | 10 |
| 7/16 | | | | | | | | | | | | |
| 7/17 | | | | | | | | | | | | |

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1988

| Date | # fish- ermen | # king | daily mean | observed nets |
|------|---------------------|-----------|---------------|------------------|
| 6/06 | 3 | 5 | 1.7 | 10 |
| 6/07 | | | | |
| 6/08 | 3 | 0 | 0.0 | 9 |
| 6/09 | 1 | 0 | 0.0 | 10 |
| 6/10 | | | | 10 |
| 6/11 | 4 | 6 | 1.5 | 12 |
| 6/12 | | | | |
| 6/13 | 2 | 0 | 0.0 | 5 |
| 6/14 | 1 | 0 | 0.0 | 7 |
| 6/15 | 1 | 0 | 0.0 | 15 |
| 6/16 | 2 | 1 | 0.5 | 15 |
| 6/17 | 2 | 1 | 0.5 | 15 |
| 6/18 | 1 | 5 | 5.0 | 14 |
| 6/19 | | | | |
| 6/20 | 2 | 3 | 1.5 | 10 |
| 9/21 | 4 | 24 | 6.0 | 10 |
| 6/22 | 3 | 37 | 12.3 | 12 |
| 6/23 | 1 | 6 | 6.0 | 15 |
| 6/24 | | | | 15 |
| 6/25 | 1 | 9 | 9.0 | 13 |
| 6/26 | | | | |
| 6/27 | | | | 14 |
| 6/28 | | | | |
| 6/29 | | | | |
| 6/30 | | | | 30 |
| 7/01 | | | | |
| 7/02 | | | | |
| 7/03 | | | | |
| 7/04 | | | | |
| 7/05 | | | | |
| 7/06 | | | | |
| 7/07 | | | | |
| 7/08 | | | | |
| 7/09 | | | | |
| 7/10 | | | | |
| 7/11 | | | | |
| 7/12 | | | | |
| 7/13 | | | | |
| 7/14 | | | | |
| 7/15 | | | | |
| 7/16 | | | | |
| 7/17 | | | | |

1/ Only a selected number of fishermen were interviewed, therefore catch and effort data presented here do not represent the total for the Unalakleet River. Net counts began in 1985.

Table 9. Mean dates of commercial and test fish CPUE, Unalakleet subdistrict, Norton Sound District, 1981-1988.

| | Chinook | | Coho | | Chum | |
|------------------------|---------|------|------|------|------|------|
| | C/F | T/F | C/F | T/F | C/F | T/F |
| 1981 | 6/20 | | 8/15 | 8/22 | 7/18 | 8/03 |
| 1982 | 6/23 | 6/23 | 8/14 | 8/29 | 7/17 | 7/15 |
| 1983 | 6/25 | 6/20 | 8/13 | 8/30 | 7/14 | 7/23 |
| 1984 | 6/29 | 7/03 | 8/15 | 8/21 | 7/18 | 7/16 |
| 1985 | 7/06 | 7/08 | 8/21 | 8/24 | 7/24 | 7/09 |
| 1986 | 6/28 | 6/30 | 8/13 | 8/17 | 7/16 | 7/20 |
| 1987 | 6/26 | 7/07 | 8/15 | 8/24 | 7/11 | 7/22 |
| 1988 | 6/24 | 6/24 | 8/13 | 8/12 | 7/13 | 7/22 |
| 5-Yr. Avg 1983-1987 | 6/27 | 6/29 | 8/15 | 8/24 | 7/18 | 7/17 |

Table 10. Comparison of commercial catch and escapement data for the Unalakleet subdistrict, Norton Sound District, 1981-1988.

| Commercial Fishery | | | Escapement | | | |
|--------------------|--------|------|------------|-----------|-------------------|--------------------|
| Chinook | Cum. | CPUE | Test Catch | Cum. CPUE | North River Tower | North River Aerial |
| Year | Catch | | | | | |
| 1981 | 6157 | | | | | |
| 1982 | 3768 | 0.2 | 22 | 0.64 | | 8 |
| 1983 | 7022 | 0.3 | 18 | 0.42 | | 347 |
| 1984 | 6804 | 0.7 | 41 | 0.85 | 2844 | 51 |
| 1985 | 12621 | 1.1 | 171 | 1.60 | 1426 | 703 |
| 1986 | 4494 | 0.3 | 49 | 0.42 | 1613 | |
| 1987 | 3246 | 0.3 | 42 | 0.34 | | 445 |
| 1988 | 2218 | 0.2 | 13 | 0.19 | | |
| 1983-1987 | | | | | | |
| Average | 6837 | 0.5 | 64 | 0.73 | | |
| Coho | | | | | | |
| 1981 | 29845 | 1.4 | 310 | 0.81 | | 263 |
| 1982 | 61343 | 2.2 | 235 | 1.89 | | 4145 |
| 1983 | 36098 | 1.6 | 184 | 1.12 | | |
| 1984 | 47904 | 1.7 | 244 | 1.56 | | 152 |
| 1985 | 15421 | 0.5 | 175 | 1.15 | 2045 | |
| 1986 | 20580 | 1.0 | 134 | 0.82 | | |
| 1987 | 15097 | 1.1 | 133 | 0.88 | | 680 |
| 1988 | 24265 | 1 | 178 | 0.93 | | |
| 1983-1987 | | | | | | |
| Average | 27020 | 1.18 | 174 | 1.11 | | |
| Chum | | | | | | |
| 1981 | 39186 | 0.8 | 1102 | 2.83 | | 599 |
| 1982 | 44520 | 1.1 | 330 | 1.98 | | 4135 |
| 1983 | 109220 | 2.4 | 547 | 2.30 | | |
| 1984 | 43317 | 1.3 | 626 | 2.79 | 2915 | 1625 |
| 1985 | 25111 | 0.9 | 819 | 2.30 | 4567 | |
| 1986 | 29136 | 1.2 | 774 | 2.74 | 3738 | |
| 1987 | 17525 | 0.8 | 608 | 1.71 | | 392 |
| 1988 | 25364 | 0.8 | 494 | 1.53 | | |
| 1983-1987 | | | | | | |
| Average | 44862 | 1.3 | 675 | 2.37 | | |

1/ Commercial Cum. CPUE through the first 336 open fishing hours for chinook, August 20 for chum and July 18 - Sept. 8 for coho salmon
Source = Norton Sound and Kotzebue Commercial Salmon Catch Statistics report.

2/ 1986 salmon catches through August 9, Cum. CPUE through July 17.
Source = Salmon fish ticket reports.

3/ 1986 Cum. CPUE through July 6. Tower count through July 18.

4/ 1986 chum Cum. CPUE through August 9. Source = Salmon fish ticket report.

5/ Tower count through July 18.

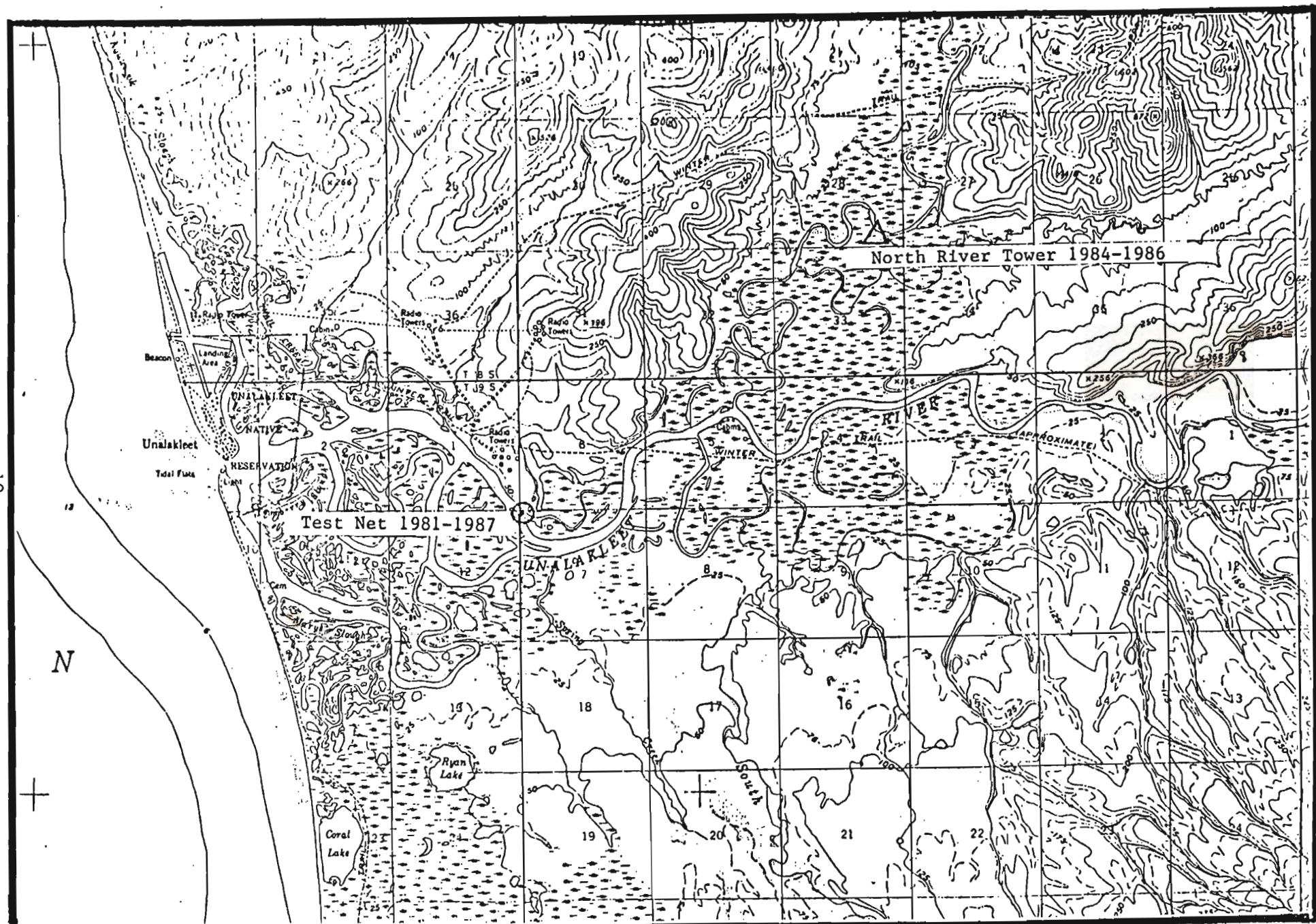


Figure 1. Unalakleet escapement project site locations.

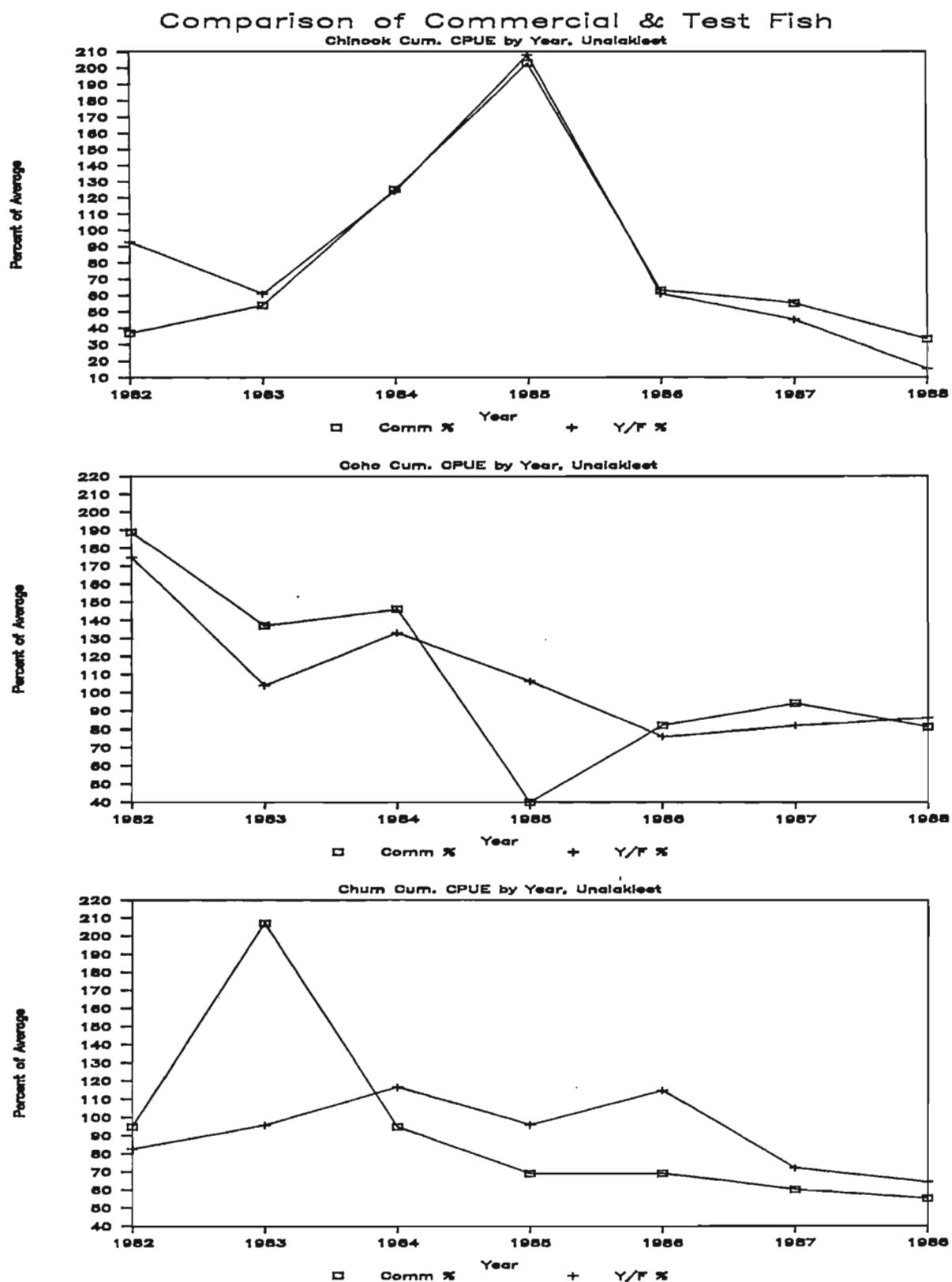


Figure 2. Comparisons of commercial and test fish cumulative CPUE for each salmon species by year as a percent of the previous 5-year averages (1982-1987). Unalakleet subdistrict, Norton Sound District, 1988.

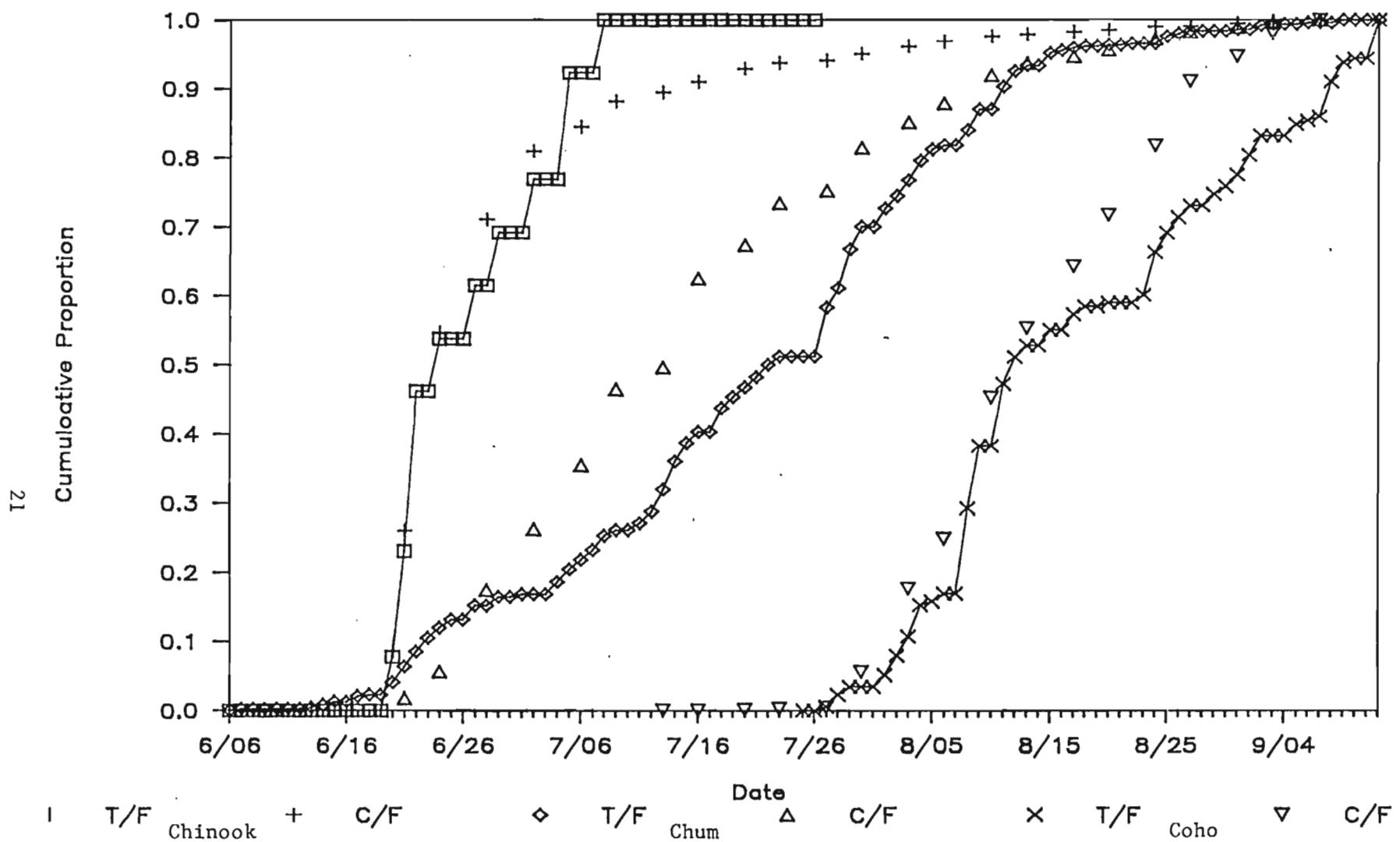


Figure 3. Commercial and test fish cumulative proportion curves showing run timing of salmon by date.
Unalakleet subdistrict, Norton Sound District, 1988.

APPENDICES

Appendix Table 1. Chalakleet test net catches of chinook salmon in 5 7/8" gear, 1982 - 1988.

| chinook salmon catch, 1982 counts begin the day the first salmon was caught | | | | | chinook salmon catch, 1983 counts begin the day the first salmon was caught | | | | | chinook salmon catch, 1984 counts begin the day the first salmon was caught | | | | | |
|---|-------|-------|--------------|------------------------|---|-------|--------------|------------------------|-------|---|--------------|------------------------|-------|-------|-------|
| Date | Hours | Catch | Cum. CPUE | CPUE CP(C) | Hours | Catch | Cum. CPUE | CPUE CP(C) | Hours | Catch | Cum. CPUE | CPUE CP(C) | | | |
| 6/07 | | | | | 12.6 | 1 | 0.40 | 0.40 | 0.056 | | | | | | |
| 6/08 | | | | | 12.7 | 1 | 0.39 | 0.40 | 0.111 | | | | | | |
| 9/09 | | | | | | | 0.00 | 0.40 | 0.111 | | | | | | |
| 6/10 | | | | | 11.4 | 0 | 0.00 | 0.27 | 0.111 | | | | | | |
| 6/11 | | | | | | | 0.00 | 0.27 | 0.111 | | | | | | |
| 6/12 | | | | | 11.3 | 2 | 0.88 | 0.42 | 0.222 | | | | | | |
| 6/13 | | | | | | | 0.00 | 0.42 | 0.222 | | | | | | |
| 6/14 | | | | | 11.9 | 2 | 0.84 | 0.50 | 0.333 | | | | | | |
| 6/15 | | | | | 11.6 | 1 | 0.43 | 0.49 | 0.389 | | | | | | |
| 6/16 | 24.0 | 1 | 0.21 | 0.21 | 0.045 | | 0.00 | 0.49 | 0.389 | | | | | | |
| 6/17 | | | 0.00 | 0.21 | 0.045 | 11.6 | 2 | 0.86 | 0.54 | 0.500 | | | | | |
| 6/18 | 24.0 | 5 | 1.04 | 0.63 | 0.273 | | 0.00 | 0.54 | 0.500 | | | | | | |
| 6/19 | | | 0.00 | 0.63 | 0.273 | 11.8 | 0 | 0.00 | 0.47 | 0.500 | | | | | |
| 6/20 | 12.0 | 4 | 1.67 | 0.83 | 0.455 | | 0.00 | 0.47 | 0.500 | | | | | | |
| 6/21 | | | 0.00 | 0.83 | 0.455 | 11.8 | 1 | 0.42 | 0.47 | 0.556 | | | | | |
| 6/22 | 12.0 | 2 | 0.83 | 0.83 | 0.545 | 11.7 | 1 | 0.43 | 0.46 | 0.611 | | | | | |
| 6/23 | 12.0 | 2 | 0.83 | 0.83 | 0.636 | | 0.00 | 0.46 | 0.611 | | | | | | |
| 6/24 | | | 0.00 | 0.83 | 0.636 | 11.6 | 0 | 0.00 | 0.42 | 0.611 | | | | | |
| 6/25 | 11.9 | 1 | 0.42 | 0.78 | 0.682 | | 0.00 | 0.42 | 0.611 | | | | | | |
| 6/26 | | | 0.00 | 0.78 | 0.682 | 11.9 | 2 | 0.84 | 0.46 | 0.722 | 24.2 | 1 | 0.21 | 0.024 | |
| 6/27 | 12.1 | 2 | 0.83 | 0.79 | 0.773 | | 0.00 | 0.46 | 0.722 | | | 0.00 | 0.21 | 0.248 | |
| 6/28 | | | 0.00 | 0.79 | 0.773 | 11.8 | 1 | 0.42 | 0.46 | 0.778 | 24.5 | 4 | 0.82 | 0.51 | 0.122 |
| 6/29 | 12.2 | 1 | 0.41 | 0.75 | 0.818 | 11.5 | 2 | 0.87 | 0.48 | 0.889 | | 0.00 | 0.51 | 0.122 | |
| 6/30 | 13.5 | 2 | 0.74 | 0.75 | 0.909 | | 0.00 | 0.48 | 0.889 | 24.4 | 6 | 1.23 | 0.75 | 0.268 | |
| 7/01 | | | 0.00 | 0.75 | 0.909 | 11.9 | 1 | 0.42 | 0.48 | 0.944 | | 0.00 | 0.75 | 0.268 | |
| 7/02 | 12.0 | 2 | 0.83 | 0.75 | 1.000 | | 0.00 | 0.48 | 0.944 | | 0.00 | 0.75 | 0.268 | | |
| 7/03 | | | 0.00 | 0.75 | 1.000 | 11.9 | 1 | 0.42 | 0.48 | 1.000 | 23.8 | 7 | 1.47 | 0.93 | 0.439 |
| 7/04 | 13.5 | 0 | 0.00 | 0.69 | 1.000 | | | | | | 0.00 | 0.93 | 0.439 | | |
| 7/05 | | | 0.00 | 0.69 | 1.000 | 11.9 | 0 | | | | 24.0 | 9 | 1.88 | 1.12 | 0.659 |
| 7/06 | 12.0 | 0 | 0.00 | 0.64 | 1.000 | 12.0 | 0 | | | | | 0.00 | 1.12 | 0.659 | |
| 7/07 | | | | | | | | | | | 24.1 | 13 | 2.70 | 1.38 | 0.976 |
| 7/08 | | | | | | | | | | | | 0.00 | 1.38 | 0.976 | |
| 7/09 | | | | | | | | | | | 24.1 | 1 | 0.21 | 1.21 | 1.000 |
| 7/10 | | | | | | | | | | | | | | | |
| 7/11 | | | | | | | | | | | | | | | |
| 7/12 | | | | | | | | | | | | | | | |
| 7/13 | | | | | | | | | | | | | | | |
| 7/14 | | | | | | | | | | | | | | | |
| 7/15 | | | | | | | | | | | | | | | |
| 7/16 | | | | | | | | | | | | | | | |
| 7/17 | | | | | | | | | | | | | | | |
| 7/18 | | | | | | | | | | | | | | | |
| 7/19 | | | | | | | | | | | | | | | |
| 7/20 | | | | | | | | | | | | | | | |
| 7/21 | | | | | | | | | | | | | | | |
| 7/22 | | | | | | | | | | | | | | | |
| 7/23 | | | | | | | | | | | | | | | |
| 7/24 | | | | | | | | | | | | | | | |
| 7/25 | | | | | | | | | | | | | | | |
| Totals | 171.2 | 22 | 7.8 | | 212.9 | 18 | 7.6 | | 241.1 | 41 | 8.56 | | | | |
| | | | | Mean day of catch 6/23 | | | | Mean day of catch 6/20 | | | | Mean day of catch 7/03 | | | |

-continued-

Appendix Table 1. (p. 2 of 3).

| | chinook salmon catch, 1985 counts begin the day the first salmon was caught | | | | chinook salmon catch, 1986 counts begin the day the first salmon was caught | | | | chinook salmon catch, 1987 counts begin the day the first salmon was caught | | | | | | |
|--------|---|-------|--------------|------------------------|---|-------|------------------------|--------------|---|-------|------------------------|--------------|---------------|------|-------|
| Date | Hours | Catch | Cum. CPUE | Cum. CPUE | Hours | Catch | Cum. CPUE | Cum. CPUE | Hours | Catch | Cum. CPUE | Cum. CPUE | Cum. CP(C) | | |
| 6/07 | | | | | | | | | | | | | | | |
| 6/08 | | | | | | | | | | | | | | | |
| 6/09 | | | | | | | | | | | | | | | |
| 6/10 | | | | | | | | | | | | | | | |
| 6/11 | | | | | | | | | | | | | | | |
| 6/12 | | | | | | | | | | | | | | | |
| 6/13 | | | | | | | | | | | | | | | |
| 6/14 | | | | | | | | | | | | | | | |
| 6/15 | | | | | | | | | | | | | | | |
| 6/16 | | | | | | | | | | | | | | | |
| 6/17 | | | | | | | | | | | | | | | |
| 6/18 | | | | | | | | | | | | | | | |
| 6/19 | | | | | | | | | | | | | | | |
| 6/20 | | | | | | | | | | | | | | | |
| 6/21 | | | | | | | | | | | | | | | |
| 6/22 | | | | | | | | | | | | | | | |
| 6/23 | | | | | | | | | | | | | | | |
| 6/24 | | | | | | | | | | | | | | | |
| 6/25 | | | | | | | | | | | | | | | |
| 6/26 | 23.8 | 1 | 0.22 | 0.22 | 0.006 | 25.0 | 6 | 1.20 | 0.54 | 0.531 | 11.8 | 1 | 0.42 | 0.42 | 0.024 |
| 6/27 | 24.5 | 0 | 0.00 | 0.11 | 0.006 | 24.0 | 1 | 0.21 | 0.51 | 0.551 | | | 0.00 | 0.42 | 0.024 |
| 6/28 | 23.7 | 0 | 0.00 | 0.07 | 0.006 | 12.1 | 0 | 0.00 | 0.49 | 0.551 | 23.6 | 0 | 0.00 | 0.14 | 0.024 |
| 6/29 | 24.1 | 2 | 0.41 | 0.16 | 0.018 | 0.0 | 0 | 0.00 | 0.49 | 0.551 | 23.9 | 0 | 0.00 | 0.08 | 0.024 |
| 6/30 | 23.7 | 18 | 3.80 | 0.88 | 0.123 | 24.0 | 0 | 0.00 | 0.45 | 0.551 | 24.0 | 0 | 0.00 | 0.06 | 0.024 |
| 7/01 | 9.8 | 8 | 4.08 | 1.13 | 0.170 | 24.1 | 0 | 0.00 | 0.42 | 0.551 | 23.7 | 0 | 0.00 | 0.18 | 0.214 |
| 7/02 | 7.0 | 10 | 7.14 | 1.44 | 0.228 | 23.9 | 0 | 0.00 | 0.39 | 0.551 | 24.0 | 4 | 0.83 | 0.24 | 0.310 |
| 7/03 | 24.0 | 13 | 2.71 | 1.63 | 0.304 | 24.1 | 0 | 0.00 | 0.36 | 0.551 | 24.0 | 2 | 0.42 | 0.25 | 0.357 |
| 7/04 | 23.8 | 14 | 2.94 | 1.80 | 0.386 | 23.9 | 0 | 0.00 | 0.34 | 0.551 | | | 0.00 | 0.25 | 0.357 |
| 7/05 | 23.9 | 9 | 1.88 | 1.81 | 0.439 | 12.2 | 1 | 0.41 | 0.34 | 0.571 | 47.6 | 3 | 0.32 | 0.26 | 0.429 |
| 7/06 | 9.2 | 2 | 1.09 | 1.78 | 0.450 | 0.0 | 0 | 0.00 | 0.34 | 0.571 | 24.5 | 0 | 0.00 | 0.24 | 0.429 |
| 7/07 | | | 0.00 | 1.78 | 0.450 | 24.4 | 4 | 0.82 | 0.37 | 0.653 | 24.0 | 4 | 0.83 | 0.28 | 0.524 |
| 7/08 | 23.2 | 22 | 4.74 | 2.06 | 0.579 | 24.5 | 2 | 0.41 | 0.37 | 0.694 | 24.1 | 2 | 0.41 | 0.29 | 0.571 |
| 7/09 | 24.1 | 14 | 2.90 | 2.14 | 0.661 | 23.8 | 2 | 0.42 | 0.37 | 0.735 | 24.0 | 1 | 0.21 | 0.28 | 0.595 |
| 7/10 | 23.9 | 13 | 0.00 | 2.19 | 0.737 | 23.9 | 9 | 0.00 | 0.44 | 0.918 | 24.3 | 6 | 1.23 | 0.33 | 0.738 |
| 7/11 | 24.1 | 5 | 1.04 | 2.10 | 0.766 | 24.2 | 3 | 0.62 | 0.45 | 0.980 | 11.2 | 4 | 1.79 | 0.37 | 0.833 |
| 7/12 | 24.4 | 5 | 1.02 | 2.02 | 0.795 | 12.4 | 0 | 0.00 | 0.44 | 0.980 | | | 0.00 | 0.37 | 0.833 |
| 7/13 | 8.6 | 1 | 0.58 | 1.99 | 0.801 | 0.0 | 0 | 0.00 | 0.44 | 0.980 | 23.3 | 1 | 0.21 | 0.36 | 0.857 |
| 7/14 | | | 0.00 | 1.99 | 0.801 | 24.6 | 0 | 0.00 | 0.42 | 0.980 | 23.9 | 3 | 0.63 | 0.37 | 0.929 |
| 7/15 | 24.3 | 7 | 1.44 | 1.95 | 0.842 | 23.0 | 1 | 0.22 | 0.42 | 1.000 | | | 0.00 | 0.37 | 0.929 |
| 7/16 | 23.9 | 8 | 1.67 | 1.93 | 0.889 | | | | | | 48.4 | 1 | 0.10 | 0.35 | 0.952 |
| 7/17 | 24.3 | 5 | 1.03 | 1.88 | 0.918 | | | | | | 23.8 | 1 | 0.21 | 0.34 | 0.976 |
| 7/18 | 33.8 | 3 | 0.44 | 1.77 | 0.936 | | | | | | 18.9 | 0 | 0.00 | 0.34 | 0.976 |
| 7/19 | 24.1 | 4 | 0.83 | 1.72 | 0.959 | | | | | | | | 0.00 | 0.34 | 0.976 |
| 7/20 | | | 0.00 | 1.72 | 0.959 | | | | | | 24.2 | 0 | 0.00 | 0.32 | 0.976 |
| 7/21 | | | 0.00 | 1.72 | 0.959 | | | | | | 23.8 | 0 | 0.00 | 0.31 | 0.976 |
| 7/22 | 24.2 | 3 | 0.62 | 1.67 | 0.977 | | | | | | 24.0 | 1 | 0.21 | 0.31 | 1.000 |
| 7/23 | 24.9 | 1 | 0.20 | 1.60 | 0.982 | | | | | | | | | | |
| 7/24 | 23.1 | 2 | 0.43 | 1.55 | 0.994 | | | | | | | | | | |
| 7/25 | 23.7 | 0 | 0.00 | 1.49 | 0.994 | | | | | | | | | | |
| 7/26 | 24.6 | 1 | 0.20 | 1.43 | 1.000 | | | | | | | | | | |
| Totals | 595.9 | 171 | 41.4 | | | 590.1 | 49 | 8.5 | | | 681.3 | 42 | 8.87 | | |
| | | | | Mean day of catch 7/08 | | | Mean day of catch 6/30 | | | | Mean day of catch 7/07 | | | | |

-continued-

Appendix Table 1. (p. 3 of 3).

chinook salmon catch, 1988
 counts begin the day the
 first salmon was caught

| Date | Hours | Catch | CPUE | Cum. CPUE | CP(C) |
|-------------------|-------|-------|------|--------------|-------|
| 6/07 | | | | | |
| 6/08 | | | | | |
| 6/09 | | | | | |
| 6/10 | | | | | |
| 6/11 | | | | | |
| 6/12 | | | | | |
| 6/13 | | | | | |
| 6/14 | | | | | |
| 6/15 | | | | | |
| 6/16 | | | | | |
| 6/17 | | | | | |
| 6/18 | | | | | |
| 6/19 | | | | | |
| 6/20 | 24.3 | 1 | 0.21 | 0.21 | 0.077 |
| 6/21 | 23.9 | 2 | 0.42 | 0.31 | 0.231 |
| 6/22 | 24.0 | 3 | 0.63 | 0.42 | 0.462 |
| 6/23 | 24.2 | 0 | 0.00 | 0.31 | 0.462 |
| 6/24 | 23.7 | 1 | 0.21 | 0.29 | 0.538 |
| 6/25 | 9.0 | 0 | 0.00 | 0.27 | 0.538 |
| 6/26 | | | 0.00 | 0.27 | 0.538 |
| 6/27 | 24.1 | 1 | 0.21 | 0.26 | 0.615 |
| 6/28 | | | 0.00 | 0.26 | 0.615 |
| 6/29 | 53.0 | 1 | 0.09 | 0.22 | 0.692 |
| 6/30 | 19.1 | 0 | 0.00 | 0.20 | 0.692 |
| 7/01 | 24.2 | 0 | 0.00 | 0.18 | 0.692 |
| 7/02 | 10.3 | 1 | 0.49 | 0.19 | 0.769 |
| 7/03 | | | 0.00 | 0.19 | 0.769 |
| 7/04 | 24.2 | 0 | 0.00 | 0.18 | 0.769 |
| 7/05 | 24.0 | 2 | 0.42 | 0.19 | 0.923 |
| 7/06 | 24.0 | 0 | 0.00 | 0.18 | 0.923 |
| 7/07 | 24.1 | 0 | 0.00 | 0.17 | 0.923 |
| 7/08 | 23.9 | 1 | 0.21 | 0.17 | 1.000 |
| 7/09 | 11.6 | 0 | 0.00 | 0.17 | 1.000 |
| 7/10 | | | 0.00 | 0.17 | 1.000 |
| 7/11 | 24.4 | 0 | 0.00 | 0.16 | 1.000 |
| 7/12 | 23.9 | 0 | 0.00 | 0.15 | 1.000 |
| 7/13 | 23.9 | 0 | 0.00 | 0.14 | 1.000 |
| 7/14 | 23.9 | 0 | 0.00 | 0.13 | 1.000 |
| 7/15 | 24.1 | 0 | 0.00 | 0.13 | 1.000 |
| 7/16 | 10.8 | 0 | 0.00 | 0.12 | 1.000 |
| 7/17 | | | 0.00 | 0.12 | 1.000 |
| 7/18 | 24.1 | 0 | 0.00 | 0.12 | 1.000 |
| 7/19 | 24.0 | 0 | 0.00 | 0.11 | 1.000 |
| 7/20 | 24.0 | 0 | 0.00 | 0.11 | 1.000 |
| 7/21 | 24.2 | 0 | 0.00 | 0.11 | 1.000 |
| 7/22 | 24.0 | 0 | 0.00 | 0.10 | 1.000 |
| 7/23 | 25.4 | 0 | 0.00 | 0.10 | 1.000 |
| 7/24 | | | 0.00 | 0.10 | 1.000 |
| 7/25 | | | 0.00 | 0.10 | 1.000 |
| 7/26 | | | 0.00 | 0.10 | 1.000 |
| Totals | 668.3 | 13 | 2.87 | | |
| Mean day of catch | 6/24 | | | | |

Appendix Table 2. Unalakleet test net catches of coho salmon in 5 7/8" gear, 1981-1988.

| coho salmon catch, 1981 count begins the day the tenth salmon was caught | | | | | | coho salmon catch, 1982 count begins the day the tenth salmon was caught | | | | | | coho salmon catch, 1983 count begins the day the tenth salmon was caught | | | | | | |
|--|--------|-------|-------|------|-------|--|-------|-------|-------|-------|-------------------|--|-------|------|-------|------|-------|-------|
| Date | Hours | Catch | CPE | CPE | Cum. | Hours | Catch | CPE | CPE | Cum. | Hours | Catch | CPE | CPE | Cum. | | | |
| 7/25 | | | | | | | | | | | | | | | | | | |
| 7/26 | | | | | | | | | | | | | | | | | | |
| 7/27 | | | | | | | | | | | | | | | | | | |
| 7/28 | | | | | | | | | | | | | | | | | | |
| 7/29 | | | | | | | | | | | | | | | | | | |
| 7/30 | 24.0 | 6 | 6.83 | 6.83 | 6.83 | | | | | | | | | | | | | |
| 7/31 | 24.0 | 6 | 6.83 | 6.83 | 6.83 | 3.0 | 9 | 15.00 | 15.00 | 0.038 | | | | | | | | |
| 8/01 | 24.0 | 3 | 6.42 | 6.69 | 6.048 | 3.4 | 3 | 3.41 | 8.11 | 0.051 | | | | | | | | |
| 8/02 | 24.0 | 0 | 6.00 | 0.52 | 6.048 | 4.4 | | | | | 0.00 | 8.11 | 0.051 | | | | | |
| 8/03 | 24.0 | 3 | 6.42 | 6.50 | 6.858 | | | | | | | | | | | | | |
| 8/04 | 24.0 | 0 | 6.00 | 0.42 | 6.858 | 13.2 | 8 | 3.03 | 4.85 | 0.085 | | | | | | | | |
| 8/05 | 24.0 | 0 | 6.00 | 0.36 | 6.858 | 7.3 | 6 | 4.11 | 4.66 | 0.111 | 11.8 | 1 | 0.34 | 0.34 | 0.085 | | | |
| 8/06 | 24.0 | 0 | 6.00 | 0.31 | 6.858 | | | | | | 0.00 | 4.66 | 0.111 | | | | | |
| 8/07 | 24.0 | 3 | 6.42 | 0.32 | 6.868 | | | | | | 0.00 | 4.66 | 0.111 | 12.8 | 4 | 1.25 | 0.81 | 0.027 |
| 8/08 | 24.0 | 0 | 6.00 | 0.29 | 6.868 | 12.6 | 9 | 3.57 | 4.32 | 0.149 | | | | | 0.00 | 0.81 | 0.027 | |
| 8/09 | 24.0 | 9 | 1.25 | 0.38 | 6.957 | 12.9 | 8 | 0.00 | 3.28 | 0.149 | 25.7 | 14 | 2.18 | 1.51 | 0.103 | | | |
| 8/10 | 24.0 | 3 | 6.42 | 0.38 | 6.186 | | | | | | 0.00 | 3.28 | 0.149 | 12.5 | 21 | 6.72 | 2.55 | 0.217 |
| 8/11 | 24.0 | 6 | 6.00 | 0.35 | 6.186 | 12.2 | 8 | 3.28 | 3.28 | 0.183 | | | | | 0.00 | 2.55 | 0.217 | |
| 8/12 | 24.0 | 3 | 6.42 | 0.36 | 6.116 | 12.5 | 17 | 6.00 | 3.84 | 0.255 | 1.3 | 6 | 0.00 | 2.50 | 0.217 | | | |
| 8/13 | 24.0 | 3 | 6.42 | 0.36 | 6.126 | | | | | | 0.00 | 3.84 | 0.255 | 10.7 | 12 | 4.49 | 2.78 | 0.283 |
| 8/14 | 24.0 | 5 | 6.69 | 0.38 | 0.142 | | | | | | 0.00 | 3.84 | 0.255 | | | 0.00 | 2.50 | 0.217 |
| 8/15 | 24.0 | 17 | 2.36 | 0.50 | 0.197 | 12.3 | 18 | 7.32 | 4.31 | 0.332 | | | | | 0.00 | 2.78 | 0.283 | |
| 8/16 | 24.0 | 36 | 5.08 | 0.75 | 0.313 | 12.2 | 5 | 2.05 | 4.84 | 0.353 | 12.2 | 2 | 0.66 | 2.48 | 0.293 | | | |
| 8/17 | 24.0 | 27 | 3.75 | 0.91 | 0.488 | | | | | | 0.00 | 4.44 | 0.353 | 12.3 | 6 | 1.95 | 2.42 | 0.326 |
| 8/18 | 24.0 | 21 | 2.92 | 1.01 | 0.468 | 12.6 | 5 | 2.08 | 3.84 | 0.374 | 11.8 | 1 | 0.34 | 2.28 | 0.332 | | | |
| 8/19 | 24.0 | 20 | 2.78 | 1.09 | 0.532 | 12.2 | 1 | 8.41 | 3.51 | 0.379 | | | | | 0.00 | 2.28 | 0.332 | |
| 8/20 | 24.0 | 19 | 1.39 | 1.10 | 0.565 | | | | | | 0.00 | 3.51 | 0.379 | | | 0.00 | 2.28 | 0.332 |
| 8/21 | 24.0 | 17 | 2.36 | 1.16 | 0.619 | | | | | | 0.00 | 3.51 | 0.379 | 11.2 | 6 | 2.14 | 2.19 | 0.364 |
| 8/22 | 24.0 | 18 | 1.39 | 1.17 | 0.652 | 12.2 | 6 | 2.46 | 3.42 | 0.404 | | | | | 0.00 | 2.19 | 0.364 | |
| 8/23 | 24.0 | 13 | 1.81 | 1.19 | 0.694 | 11.8 | 2 | 8.85 | 3.22 | 0.413 | 12.0 | 2 | 0.67 | 2.06 | 0.375 | | | |
| 8/24 | 24.0 | 2 | 6.28 | 1.16 | 0.700 | | | | | | 0.00 | 3.22 | 0.413 | 11.5 | 2 | 0.78 | 1.95 | 0.386 |
| 8/25 | 24.0 | 5 | 6.69 | 1.14 | 0.716 | 12.1 | 3 | 1.24 | 3.87 | 0.426 | | | | | 0.00 | 1.95 | 0.386 | |
| 8/26 | 24.0 | 13 | 1.81 | 1.17 | 0.758 | 12.2 | 0 | 8.00 | 2.86 | 0.426 | 11.5 | 5 | 1.74 | 1.93 | 0.413 | | | |
| 8/27 | 24.0 | 5 | 6.69 | 1.15 | 0.774 | | | | | | 0.00 | 2.86 | 0.426 | | | 0.00 | 1.93 | 0.413 |
| 8/28 | 24.0 | 4 | 6.56 | 1.13 | 0.787 | | | | | | 0.00 | 2.86 | 0.426 | 11.9 | 0 | 0.00 | 1.60 | 0.413 |
| 8/29 | 24.0 | 1 | 6.14 | 1.18 | 0.798 | 12.5 | 11 | 4.40 | 2.96 | 0.472 | | | | | 0.00 | 1.60 | 0.413 | |
| 8/30 | 24.0 | 0 | 6.00 | 1.06 | 0.798 | 11.3 | 5 | 2.21 | 2.92 | 0.494 | 11.9 | 4 | 1.34 | 1.77 | 0.435 | | | |
| 8/31 | 24.0 | 3 | 6.42 | 1.04 | 0.800 | | | | | | 0.00 | 2.92 | 0.494 | 11.7 | 1 | 0.34 | 1.68 | 0.448 |
| 9/01 | 24.0 | 2 | 6.28 | 1.02 | 0.806 | 12.2 | 6 | 2.46 | 2.89 | 0.519 | | | | | 0.00 | 1.68 | 0.448 | |
| 9/02 | 24.0 | 1 | 6.14 | 1.00 | 0.810 | 11.5 | 2 | 8.07 | 2.79 | 0.528 | 12.3 | 5 | 1.63 | 1.68 | 0.467 | | | |
| 9/03 | 24.0 | 2 | 6.28 | 0.98 | 0.816 | | | | | | 0.00 | 2.79 | 0.528 | | | 0.00 | 1.68 | 0.467 |
| 9/04 | 24.0 | 3 | 6.42 | 0.96 | 0.826 | | | | | | 0.00 | 2.79 | 0.528 | 47.9 | 15 | 1.25 | 1.68 | 0.549 |
| 9/05 | 24.0 | 6 | 6.03 | 0.95 | 0.845 | 11.6 | 8 | 3.45 | 2.82 | 0.562 | | | | | 0.00 | 1.60 | 0.549 | |
| 9/06 | 24.0 | 6 | 6.03 | 0.95 | 0.865 | 9.8 | 3 | 1.53 | 2.77 | 0.574 | 23.8 | 11 | 1.85 | 1.62 | 0.689 | | | |
| 9/07 | 24.0 | 3 | 6.42 | 0.94 | 0.874 | | | | | | 0.00 | 2.77 | 0.574 | 22.7 | 5 | 0.84 | 1.56 | 0.636 |
| 9/08 | 24.0 | 6 | 6.03 | 0.94 | 0.894 | 11.8 | 0 | 8.08 | 2.64 | 0.574 | 23.8 | 6 | 1.01 | 1.52 | 0.668 | | | |
| 9/09 | 24.0 | 6 | 6.03 | 0.94 | 0.913 | | | | | | 0.00 | 2.64 | 0.574 | 24.2 | 10 | 1.65 | 1.53 | 0.723 |
| 9/10 | 24.0 | 9 | 1.25 | 0.94 | 0.942 | 28.5 | 13 | 2.28 | 2.68 | 0.638 | | | | | 0.00 | 1.46 | 0.739 | |
| 9/11 | 24.0 | 3 | 6.42 | 0.93 | 0.952 | 23.5 | 14 | 2.98 | 2.63 | 0.689 | 24.2 | 2 | 0.33 | 1.39 | 0.758 | | | |
| 9/12 | 24.0 | 3 | 6.42 | 0.92 | 0.961 | 25.6 | 0 | 1.56 | 2.55 | 0.723 | 24.1 | 8 | 1.33 | 1.39 | 0.793 | | | |
| 9/13 | 24.0 | 6 | 6.03 | 0.92 | 0.981 | 25.6 | 5 | 0.98 | 2.44 | 0.745 | | | | | 0.00 | 1.39 | 0.793 | |
| 9/14 | 24.0 | 0 | 6.00 | 0.90 | 0.981 | 21.3 | 6 | 1.41 | 2.38 | 0.778 | 22.7 | 14 | 2.47 | 1.44 | 0.878 | | | |
| 9/15 | 24.0 | 0 | 6.00 | 0.88 | 0.981 | 26.7 | 7 | 1.31 | 2.31 | 0.808 | 24.2 | 9 | 1.49 | 1.44 | 0.910 | | | |
| 9/16 | 24.0 | 3 | 6.42 | 0.87 | 0.998 | 22.2 | 5 | 1.13 | 2.25 | 0.821 | 21.0 | 3 | 0.57 | 1.41 | 0.935 | | | |
| 9/17 | 24.0 | 0 | 6.00 | 0.85 | 0.998 | 24.8 | 18 | 2.02 | 2.24 | 0.864 | 23.9 | 2 | 0.33 | 1.36 | 0.946 | | | |
| 9/18 | 24.0 | 0 | 6.00 | 0.84 | 0.998 | 22.1 | 15 | 3.39 | 2.29 | 0.928 | 23.6 | 2 | 0.35 | 1.31 | 0.957 | | | |
| 9/19 | 24.0 | 0 | 6.00 | 0.82 | 0.998 | 30.2 | 4 | 0.66 | 2.19 | 0.945 | | | | | 0.00 | 1.31 | 0.957 | |
| 9/20 | 24.0 | 3 | 6.42 | 0.81 | 1.000 | 19.1 | 0 | 8.00 | 2.11 | 0.945 | 46.9 | 4 | 0.33 | 1.23 | 0.978 | | | |
| 9/21 | | | | | | 25.2 | 4 | 0.76 | 2.05 | 0.962 | 24.0 | 3 | 0.58 | 1.20 | 0.995 | | | |
| 9/22 | | | | | | 27.6 | 6 | 1.09 | 2.00 | 0.987 | 24.2 | 0 | 0.80 | 1.16 | 0.995 | | | |
| 9/23 | | | | | | 28.2 | 2 | 0.50 | 1.95 | 0.996 | 23.4 | 1 | 0.17 | 1.12 | 1.000 | | | |
| 9/24 | | | | | | 23.8 | 1 | 0.21 | 1.89 | 1.000 | | | | | | | | |
| 9/25 | | | | | | | | | | | | | | | | | | |
| 9/26 | | | | | | | | | | | | | | | | | | |
| 9/27 | | | | | | | | | | | | | | | | | | |
| Totals | 1272.0 | 318 | 43.06 | | | 623.2 | 235 | 90.08 | | | 656.3 | 184 | 41.44 | | | | | |
| Mean day of catch | 8/22 | | | | | Mean day of catch | 8/29 | | | | Mean day of catch | 8/30 | | | | | | |

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Appendix Table 2. (p. 2 of 3).

| | coho salmon catch, 1984 counts begin the day the tenth salmon was caught | | | | | coho salmon catch, 1985 counts begin the day the tenth salmon was caught | | | | | coho salmon catch, 1986 counts begin the day the tenth salmon was caught | | | | | |
|--------|--|-------|-------|------|-------|--|-------|------|------|-------|--|-------|-------|------|-------|------------|
| Date | Hours | Catch | CPUE | Cum. | Cum. | Hours | Catch | CPUE | Cum. | Cum. | Hours | Catch | CPUE | Cum. | CPUE | CP(C) |
| 7/25 | | | | | | | | | | | | | | | | |
| 7/26 | | | | | | | | | | | | | | | | |
| 7/27 | | | | | | | | | | | | | | | | |
| 7/28 | | | | | | | | | | | | | | | | |
| 7/29 | | | | | | | | | | | | | | | | |
| 7/30 | 24.6 | 16 | 3.25 | 3.25 | 0.066 | | | | | | | | | | | |
| 7/31 | 2.7 | 2 | 3.78 | 3.38 | 0.074 | | | | | | | | | | | |
| 8/01 | 23.3 | 26 | 5.58 | 4.35 | 0.188 | | | | | | | | | | | |
| 8/02 | | | 0.00 | 4.35 | 0.188 | | | | | | | | | | 0.00 | 0.62 0.037 |
| 8/03 | 4.6 | 16 | 17.39 | 5.43 | 0.246 | 18.7 | 2 | 0.93 | 0.93 | 0.011 | | | | | 0.00 | 0.62 0.090 |
| 8/04 | | | 0.00 | 5.43 | 0.246 | | | 0.00 | 0.93 | 0.011 | | | | | 0.00 | 0.62 0.090 |
| 8/05 | | | 0.00 | 5.43 | 0.246 | 23.8 | 3 | 0.63 | 0.72 | 0.029 | 24.2 | 23 | 4.75 | 1.45 | 0.090 | |
| 8/06 | 24.3 | 18 | 2.86 | 4.40 | 0.287 | 24.3 | 2 | 0.41 | 0.68 | 0.040 | 24.2 | 15 | 3.18 | 1.72 | 0.090 | |
| 8/07 | | | 0.00 | 4.40 | 0.287 | 24.0 | 4 | 0.83 | 0.66 | 0.063 | 23.7 | 8 | 1.69 | 1.72 | 0.261 | |
| 8/08 | 23.3 | 11 | 2.36 | 3.94 | 0.332 | 24.0 | 3 | 0.63 | 0.66 | 0.080 | 24.4 | 1 | 0.28 | 1.53 | 0.373 | |
| 8/09 | | | 0.00 | 3.94 | 0.332 | 24.0 | 2 | 0.42 | 0.61 | 0.091 | 11.9 | 3 | 1.26 | 1.51 | 0.433 | |
| 8/10 | 23.9 | 8 | 1.67 | 3.51 | 0.365 | 11.0 | 0 | 0.00 | 0.56 | 0.091 | | | | 0.00 | 1.51 | 0.448 |
| 8/11 | | | 0.00 | 3.51 | 0.365 | | | 0.00 | 0.56 | 0.091 | 24.0 | 4 | 0.83 | 1.44 | 0.463 | |
| 8/12 | | | 0.00 | 3.51 | 0.365 | 24.2 | 2 | 0.41 | 0.54 | 0.103 | 24.2 | 2 | 0.41 | 1.34 | 0.463 | |
| 8/13 | 24.0 | 5 | 1.84 | 3.12 | 0.385 | 24.0 | 1 | 0.21 | 0.50 | 0.109 | 24.0 | 5 | 1.84 | 1.32 | 0.493 | |
| 8/14 | 24.2 | 4 | 0.83 | 2.88 | 0.402 | 29.2 | 10 | 1.71 | 0.66 | 0.166 | 24.1 | 2 | 0.41 | 1.24 | 0.587 | |
| 8/15 | 23.8 | 5 | 1.05 | 2.59 | 0.422 | 19.5 | 7 | 1.79 | 0.75 | 0.206 | 24.1 | 0 | 0.00 | 1.15 | 0.545 | |
| 8/16 | | | 0.00 | 2.59 | 0.422 | 23.5 | 6 | 1.28 | 0.80 | 0.240 | 12.0 | 0 | 0.00 | 1.11 | 0.560 | |
| 8/17 | 25.0 | 6 | 1.28 | 2.44 | 0.447 | 11.6 | 6 | 2.59 | 0.88 | 0.274 | | | | 0.00 | 1.11 | 0.560 |
| 8/18 | | | 0.00 | 2.44 | 0.447 | | | 0.00 | 0.88 | 0.274 | 23.9 | 5 | 1.85 | 1.11 | 0.560 | |
| 8/19 | | | 0.00 | 2.44 | 0.447 | 24.1 | 26 | 5.39 | 1.24 | 0.423 | 24.1 | 0 | 0.00 | 1.84 | 0.560 | |
| 8/20 | 24.0 | 11 | 2.29 | 2.42 | 0.492 | 23.8 | 5 | 1.05 | 1.23 | 0.451 | 24.0 | 1 | 0.21 | 0.99 | 0.597 | |
| 8/21 | | | 0.00 | 2.42 | 0.492 | 24.8 | 14 | 2.82 | 1.34 | 0.531 | 24.0 | 4 | 0.83 | 0.98 | 0.597 | |
| 8/22 | 24.7 | 4 | 0.81 | 2.28 | 0.588 | 23.8 | 6 | 1.26 | 1.34 | 0.566 | 23.9 | 1 | 0.21 | 0.94 | 0.684 | |
| 8/23 | 23.2 | 6 | 1.29 | 2.28 | 0.533 | 23.7 | 8 | 1.69 | 1.36 | 0.611 | 11.8 | 1 | 0.42 | 0.93 | 0.634 | |
| 8/24 | 24.0 | 9 | 1.88 | 2.17 | 0.578 | 9.1 | 2 | 1.10 | 1.35 | 0.623 | | | | 0.00 | 0.93 | 0.642 |
| 8/25 | | | 0.00 | 2.17 | 0.578 | 23.0 | 12 | 2.61 | 1.42 | 0.691 | 23.9 | 1 | 0.21 | 0.89 | 0.649 | |
| 8/26 | | | 0.00 | 2.17 | 0.578 | 24.2 | 4 | 0.83 | 1.39 | 0.714 | 24.0 | 2 | 0.42 | 0.86 | 0.657 | |
| 8/27 | 23.0 | 6 | 1.30 | 2.12 | 0.594 | 24.2 | 4 | 0.83 | 1.39 | 0.714 | | | | 0.00 | 0.86 | 0.679 |
| 8/28 | 22.8 | 9 | 1.97 | 2.11 | 0.631 | 24.2 | 8 | 1.65 | 1.40 | 0.760 | | | | 0.00 | 0.86 | 0.679 |
| 8/29 | 25.3 | 11 | 2.17 | 2.11 | 0.676 | 23.7 | 5 | 1.85 | 1.38 | 0.789 | 48.0 | 7 | 0.73 | 0.85 | 0.694 | |
| 8/30 | 24.2 | 4 | 0.83 | 2.04 | 0.693 | 24.2 | 2 | 0.41 | 1.34 | 0.800 | 11.8 | 0 | 0.00 | 0.83 | 0.694 | |
| 8/31 | 38.7 | 7 | 1.14 | 1.97 | 0.721 | 23.5 | 0 | 0.00 | 1.28 | 0.800 | | | | 0.00 | 0.83 | 0.746 |
| 9/01 | | | 0.00 | 1.97 | 0.721 | | | 0.00 | 1.28 | 0.800 | | | | 0.00 | 0.83 | 0.746 |
| 9/02 | | | 0.00 | 1.97 | 0.721 | | | 0.00 | 1.28 | 0.800 | 24.0 | 4 | 0.83 | 0.83 | 0.746 | |
| 9/03 | 16.7 | 5 | 1.50 | 1.96 | 0.742 | 24.4 | 3 | 0.61 | 1.25 | 0.817 | 24.1 | 9 | 1.87 | 0.87 | 0.746 | |
| 9/04 | 23.0 | 6 | 1.38 | 1.93 | 0.766 | 23.6 | 2 | 0.42 | 1.22 | 0.829 | 23.9 | 6 | 1.26 | 0.88 | 0.776 | |
| 9/05 | 24.2 | 7 | 1.45 | 1.98 | 0.795 | 24.0 | 3 | 0.63 | 1.28 | 0.846 | 23.9 | 4 | 0.84 | 0.88 | 0.843 | |
| 9/06 | 24.2 | 9 | 1.86 | 1.98 | 0.832 | 24.1 | 6 | 1.24 | 1.28 | 0.888 | 24.1 | 1 | 0.21 | 0.86 | 0.888 | |
| 9/07 | 24.3 | 10 | 2.06 | 1.91 | 0.873 | 11.8 | 5 | 2.13 | 1.22 | 0.989 | | | | 0.00 | 0.86 | 0.918 |
| 9/08 | | | 0.00 | 1.91 | 0.873 | | | 0.00 | 1.22 | 0.989 | | | | 0.00 | 0.86 | 0.925 |
| 9/09 | | | 0.00 | 1.91 | 0.873 | 5.8 | 2 | 1.74 | 1.22 | 0.928 | 72.3 | 6 | 0.41 | 0.82 | 0.970 | |
| 9/10 | 23.5 | 5 | 1.06 | 1.87 | 0.893 | | | 0.00 | 1.22 | 0.928 | 23.9 | 4 | 0.84 | 0.82 | 1.000 | |
| 9/11 | 33.1 | 2 | 0.38 | 1.79 | 0.982 | | | 0.00 | 1.22 | 0.928 | | | | | | |
| 9/12 | 22.0 | 3 | 0.68 | 1.75 | 0.914 | | | 0.00 | 1.22 | 0.928 | | | | | | |
| 9/13 | 17.0 | 3 | 0.88 | 1.73 | 0.926 | 26.2 | 7 | 1.34 | 1.23 | 0.968 | | | | | | |
| 9/14 | 23.7 | 1 | 0.21 | 1.68 | 0.930 | | | 0.00 | 1.23 | 0.968 | | | | | | |
| 9/15 | | | 0.00 | 1.68 | 0.930 | | | 0.00 | 1.23 | 0.968 | | | | | | |
| 9/16 | | | 0.00 | 1.68 | 0.930 | | | 0.00 | 1.23 | 0.968 | | | | | | |
| 9/17 | 24.6 | 4 | 0.81 | 1.65 | 0.947 | | | 0.00 | 1.23 | 0.968 | | | | | | |
| 9/18 | 24.4 | 4 | 0.82 | 1.62 | 0.963 | | | 0.00 | 1.23 | 0.968 | | | | | | |
| 9/19 | | | 0.00 | 1.62 | 0.963 | 24.0 | 0 | 0.00 | 1.18 | 0.968 | | | | | | |
| 9/20 | 23.8 | 7 | 1.47 | 1.61 | 0.992 | 24.2 | 4 | 0.83 | 1.17 | 0.983 | | | | | | |
| 9/21 | 8.6 | 0 | 0.00 | 1.59 | 0.992 | 24.1 | 3 | 0.62 | 1.15 | 1.000 | | | | | | |
| 9/22 | | | 0.00 | 1.59 | 0.992 | 9.8 | 0 | | | | | | | | | |
| 9/23 | | | 0.00 | 1.59 | 0.992 | | | | | | | | | | | |
| 9/24 | 23.6 | 2 | 0.42 | 1.56 | 1.000 | | | | | | | | | | | |
| 9/25 | 27.5 | 0 | | | | | | | | | | | | | | |
| 9/26 | 20.3 | 0 | | | | | | | | | | | | | | |
| 9/27 | 23.7 | 0 | | | | | | | | | | | | | | |
| Totals | 853.8 | 244 | 68.7 | | | 767.8 | 175 | 41.3 | | | 817.2 | 134 | 27.13 | | | |
| | Mean day of catch 8/21 | | | | | Mean day of catch 8/24 | | | | | Mean day of catch 8/17 | | | | | |

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Appendix Table 2. (p. 3 of 3).

| coho salmon catch, 1967 | | | | | | coho salmon catch, 1968 | | | | | | |
|---|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|--|
| count begins the day the tenth salmon was caught. | | | | | | count begins the day the tenth salmon was caught. | | | | | | |
| DATE | Hours | Catch | CPUE | CPUE | CP(C) | DATE | Hours | Catch | CPUE | CPUE | CP(C) | |
| 7/25 | | | | | | | | | 0.99 | 0.99 | 0.999 | |
| 7/26 | | | | | | | | | 0.99 | 0.99 | 0.999 | |
| 7/27 | | | | | | | 1 | 0.99 | 0.99 | 0.999 | | |
| 7/28 | | | | | | | 1 | 0.99 | 0.99 | 0.999 | | |
| 7/29 | | | | | | | 2 | 0.99 | 0.99 | 0.999 | | |
| 7/30 | 1 | 0.99 | 0.99 | 0.999 | | | 0 | 0.99 | 0.99 | 0.999 | | |
| 7/31 | 0 | 0.99 | 0.99 | 0.999 | | | | 0.99 | 0.99 | 0.999 | | |
| 8/01 | | 0.99 | 0.99 | 0.999 | | | | 0.99 | 0.99 | 0.999 | | |
| 8/02 | 0 | 0.99 | 0.99 | 0.999 | | 24.0 | 5 | 1.64 | 2.92 | 0.979 | | |
| 8/03 | 2 | 0.99 | 0.99 | 0.999 | | 24.1 | 5 | 1.64 | 1.98 | 0.187 | | |
| 8/04 | 1 | 0.99 | 0.99 | 0.999 | | 23.9 | 0 | 1.67 | 1.88 | 0.152 | | |
| 8/05 | 1 | 0.99 | 0.99 | 0.999 | | 24.2 | 1 | 0.21 | 1.46 | 0.157 | | |
| 8/06 | 24.3 | 5 | 1.65 | 1.65 | 0.998 | | 18.2 | 2 | 0.99 | 0.99 | 0.169 | |
| 8/07 | 24.1 | 0 | 0.99 | 0.99 | 0.999 | | | 0.99 | 0.99 | 0.169 | | |
| 8/08 | 19.4 | 0 | 0.99 | 0.99 | 0.999 | | 23.9 | 22 | 4.64 | 0.92 | 0.292 | |
| 8/09 | | 0.99 | 0.99 | 0.999 | | 24.1 | 16 | 3.12 | 1.38 | 0.182 | | |
| 8/10 | 24.2 | 7 | 1.45 | 0.98 | 0.159 | | | 0.99 | 1.38 | 0.382 | | |
| 8/11 | 23.8 | 1 | 0.21 | 0.75 | 0.158 | | 47.9 | 16 | 1.67 | 1.38 | 0.472 | |
| 8/12 | 23.9 | 1 | 0.21 | 0.65 | 0.165 | | 23.9 | 7 | 1.46 | 1.38 | 0.511 | |
| 8/13 | 24.3 | 2 | 0.41 | 0.61 | 0.188 | | 9.1 | 3 | 1.65 | 1.48 | 0.528 | |
| 8/14 | 23.9 | 5 | 1.85 | 0.67 | 0.218 | | | 0.99 | 1.48 | 0.528 | | |
| 8/15 | 23.8 | 4 | 0.84 | 0.69 | 0.248 | | 16.1 | 4 | 1.24 | 1.39 | 0.551 | |
| 8/16 | 24.0 | 2 | 0.42 | 0.66 | 0.253 | | 23.9 | 0 | 0.99 | 1.27 | 0.551 | |
| 8/17 | 24.2 | 2 | 0.41 | 0.64 | 0.278 | | 23.9 | 4 | 0.84 | 1.24 | 0.573 | |
| 8/18 | 23.8 | 1 | 0.21 | 0.69 | 0.286 | | 23.9 | 2 | 0.42 | 1.18 | 0.584 | |
| 8/19 | 24.0 | 6 | 1.25 | 0.65 | 0.331 | | | 0.99 | 1.18 | 0.584 | | |
| 8/20 | 24.2 | 7 | 1.45 | 0.71 | 0.383 | | 33.9 | 1 | 0.15 | 1.68 | 0.598 | |
| 8/21 | 24.0 | 7 | 1.45 | 0.76 | 0.436 | | | 0.99 | 1.68 | 0.598 | | |
| 8/22 | 24.0 | 5 | 1.84 | 0.78 | 0.474 | | 24.0 | 0 | 0.99 | 1.61 | 0.598 | |
| 8/23 | 23.9 | 2 | 0.42 | 0.76 | 0.489 | | 24.0 | 2 | 0.42 | 0.98 | 0.601 | |
| 8/24 | 23.9 | 2 | 0.42 | 0.74 | 0.584 | | 24.5 | 11 | 2.24 | 1.85 | 0.663 | |
| 8/25 | 24.2 | 3 | 0.62 | 0.73 | 0.526 | | 23.7 | 5 | 1.85 | 1.85 | 0.691 | |
| 8/26 | 24.1 | 4 | 0.83 | 0.74 | 0.556 | | 23.7 | 4 | 0.84 | 1.84 | 0.713 | |
| 8/27 | 24.0 | 2 | 0.42 | 0.72 | 0.571 | | 9.8 | 3 | 1.53 | 1.85 | 0.738 | |
| 8/28 | 23.9 | 1 | 0.21 | 0.78 | 0.579 | | | 0.99 | 1.05 | 0.738 | | |
| 8/29 | 18.8 | 0 | 0.99 | 0.68 | 0.579 | | 24.0 | 3 | 0.63 | 1.03 | 0.747 | |
| 8/30 | | | 0.99 | 0.68 | 0.579 | | 24.0 | 2 | 0.42 | 1.00 | 0.758 | |
| 8/31 | 13.1 | 0 | 3.05 | 0.74 | 0.639 | | 24.1 | 3 | 0.62 | 0.98 | 0.775 | |
| 9/01 | 24.2 | 7 | 1.45 | 0.77 | 0.692 | | 24.1 | 5 | 1.84 | 0.99 | 0.803 | |
| 9/02 | 23.9 | 3 | 0.63 | 0.77 | 0.714 | | 23.9 | 5 | 1.85 | 0.99 | 0.831 | |
| 9/03 | 23.9 | 3 | 0.63 | 0.76 | 0.737 | | 18.2 | 0 | 0.99 | 0.97 | 0.831 | |
| 9/04 | 24.1 | 5 | 1.24 | 0.78 | 0.782 | | | 0.99 | 0.97 | 0.831 | | |
| 9/05 | 24.0 | 4 | 0.81 | 0.78 | 0.812 | | 23.9 | 3 | 0.63 | 0.96 | 0.848 | |
| 9/06 | 23.5 | 18 | 2.13 | 0.83 | 0.887 | | 23.9 | 1 | 0.22 | 0.93 | 0.854 | |
| 9/07 | | | 0.99 | 0.83 | 0.887 | | 25.0 | 1 | 0.28 | 0.91 | 0.868 | |
| 9/08 | 47.0 | 15 | 1.57 | 0.88 | 1.000 | | 24.2 | 9 | 1.86 | 0.94 | 0.918 | |
| 9/09 | | | | | | | 24.2 | 5 | 1.83 | 0.94 | 0.938 | |
| 9/10 | | | | | | | 24.0 | 1 | 0.21 | 0.92 | 0.944 | |
| 9/11 | | | | | | | | 0.99 | 0.92 | 0.944 | | |
| 9/12 | | | | | | | 48.0 | 18 | 1.84 | 0.93 | 1.000 | |
| 9/13 | | | | | | | | | | | | |
| 9/14 | | | | | | | | | | | | |
| 9/15 | | | | | | | | | | | | |
| 9/16 | | | | | | | | | | | | |
| 9/17 | | | | | | | | | | | | |
| 9/18 | | | | | | | | | | | | |
| 9/19 | | | | | | | | | | | | |
| 9/20 | | | | | | | | | | | | |
| 9/21 | | | | | | | | | | | | |
| 9/22 | | | | | | | | | | | | |
| 9/23 | | | | | | | | | | | | |
| 9/24 | | | | | | | | | | | | |
| 9/25 | | | | | | | | | | | | |
| 9/26 | | | | | | | | | | | | |
| 9/27 | | | | | | | | | | | | |
| Totals | 731.0 | 133 | 26.48 | | | Total | 889.3 | 178 | 35.32 | | | |
| | | | | | | Mean day of catch 8/24. | | | | | | |
| | | | | | | Mean day of catch 8/12. | | | | | | |

Appendix Table 3. Unalakleet test net catches of pink salmon in 5 7/8" gear, 1981 - 1988.

| | pink salmon catch, 1981 counts begin the day the tenth salmon was caught | | | | pink salmon catch, 1982 counts begin the day the tenth salmon was caught | | | | pink salmon catch, 1983 counts begin the day the tenth salmon was caught | | | | |
|-------------------|--|-------|-------|--------------|--|-------|-------|--------------|--|-------------------|------|--------------|--------------|
| Date | Hours | Catch | CPUE | Cum. CPUE | Hours | Catch | CPUE | Cum. CPUE | Hours | Catch | CPUE | Cum. CPUE | Cum. CPUE |
| 6/16 | | | | | | | | | | | | | |
| 6/17 | | | | | 24.0 | 13 | 2.71 | 2.71 | 0.015 | | | | |
| 6/18 | | | | | | | 0.00 | 2.71 | 0.015 | | | | |
| 6/19 | | | | | | | 0.00 | 2.71 | 0.015 | | | | |
| 6/20 | | | | | 12.0 | 11 | 4.58 | 3.33 | 0.028 | | | | |
| 6/21 | | | | | | | 0.00 | 3.33 | 0.028 | | | | |
| 6/22 | | | | | 12.0 | 10 | 4.17 | 3.54 | 0.040 | | | | |
| 6/23 | | | | | 12.0 | 13 | 5.42 | 3.92 | 0.055 | | | | |
| 6/24 | | | | | | | 0.00 | 3.92 | 0.055 | | | | |
| 6/25 | | | | | 11.0 | 36 | 15.13 | 5.77 | 0.098 | | | | |
| 6/26 | | | | | | | 0.00 | 5.77 | 0.098 | | | | |
| 6/27 | | | | | 12.1 | 37 | 15.29 | 7.14 | 0.141 | | | | |
| 6/28 | | | | | | | 0.00 | 7.14 | 0.141 | | | | |
| 6/29 | | | | | 12.2 | 24 | 9.84 | 7.48 | 0.169 | 11.5 | 8 | 2.78 | 2.78 0.047 |
| 6/30 | | | | | 13.5 | 23 | 8.52 | 7.61 | 0.196 | | | 0.00 | 2.78 0.047 |
| 7/01 | | | | | | | 0.00 | 7.61 | 0.196 | 11.9 | 19 | 6.39 | 4.62 0.168 |
| 7/02 | | | | | 12.0 | 87 | 36.25 | 10.44 | 0.298 | | | 0.00 | 4.62 0.168 |
| 7/03 | | | | | | | 0.00 | 10.44 | 0.298 | 11.9 | 6 | 2.02 | 3.74 0.195 |
| 7/04 | | | | | 13.5 | 61 | 22.59 | 11.65 | 0.378 | | | 0.00 | 3.74 0.195 |
| 7/05 | | | | | | | 0.00 | 11.65 | 0.378 | 11.9 | 15 | 5.84 | 4.07 0.284 |
| 7/06 | | | | | 12.0 | 64 | 26.67 | 12.87 | 0.445 | 12.0 | 2 | 0.67 | 3.38 0.296 |
| 7/07 | | | | | 5.5 | 63 | 57.27 | 14.47 | 0.519 | | | 0.00 | 3.38 0.296 |
| 7/08 | | | | | | | 0.00 | 14.47 | 0.519 | 12.1 | 12 | 3.97 | 3.48 0.367 |
| 7/09 | | | | | 9.0 | 12 | 6.67 | 14.04 | 0.533 | | | 0.00 | 3.48 0.367 |
| 7/10 | | | | | | | 0.00 | 14.04 | 0.533 | 11.4 | 12 | 4.21 | 3.58 0.438 |
| 7/11 | | | | | 6.5 | 12 | 9.22 | 13.85 | 0.548 | | | 0.00 | 3.58 0.438 |
| 7/12 | | | | | | | 0.00 | 13.85 | 0.548 | 11.5 | 19 | 6.61 | 3.95 0.558 |
| 7/13 | | | | | 12.0 | 49 | 20.00 | 14.27 | 0.605 | 11.6 | 15 | 5.17 | 4.08 0.639 |
| 7/14 | | | | | 9.0 | 48 | 22.22 | 14.65 | 0.652 | | | 0.00 | 4.68 0.639 |
| 7/15 | | | | | | | 0.00 | 14.65 | 0.652 | 11.7 | 13 | 4.44 | 4.12 0.716 |
| 7/16 | | | | | 11.0 | 64 | 27.12 | 15.38 | 0.727 | | | 0.00 | 4.12 0.716 |
| 7/17 | 24.0 | 28 | 8.33 | 8.33 0.056 | | | 0.00 | 15.38 | 0.727 | 11.0 | 10 | 3.39 | 4.85 0.775 |
| 7/18 | 24.0 | 20 | 8.33 | 8.33 0.111 | 12.0 | 89 | 33.33 | 16.39 | 0.821 | | | 0.00 | 4.85 0.775 |
| 7/19 | 24.0 | 23 | 9.58 | 8.75 0.175 | 12.0 | 53 | 22.00 | 16.70 | 0.884 | 11.0 | 9 | 3.85 | 3.97 0.828 |
| 7/20 | 24.0 | 15 | 6.25 | 8.13 0.217 | | | 0.00 | 16.78 | 0.884 | 11.5 | 0 | 0.68 | 3.67 0.828 |
| 7/21 | 24.0 | 51 | 21.25 | 10.75 0.358 | 11.0 | 49 | 20.76 | 16.90 | 0.941 | | | 0.00 | 3.67 0.828 |
| 7/22 | 24.0 | 55 | 22.92 | 12.78 0.511 | 24.5 | 37 | 7.55 | 16.82 | 0.985 | 12.2 | 19 | 6.23 | 3.86 0.941 |
| 7/23 | 24.0 | 28 | 11.67 | 12.62 0.589 | | | 0.00 | 16.82 | 0.985 | | | 0.00 | 3.86 0.941 |
| 7/24 | 24.0 | 17 | 7.08 | 11.93 0.636 | | | 0.00 | 16.82 | 0.985 | 11.5 | 2 | 0.70 | 3.65 0.953 |
| 7/25 | 24.0 | 22 | 9.17 | 11.62 0.697 | 12.0 | 0 | 3.17 | 15.43 | 0.994 | | | 0.00 | 3.65 0.953 |
| 7/26 | 24.0 | 14 | 5.83 | 11.84 0.736 | 2.5 | 1 | 2.00 | 15.31 | 0.995 | 12.0 | 1 | 1.00 | 3.48 0.970 |
| 7/27 | 24.0 | 12 | 5.00 | 18.49 0.769 | | | 0.00 | 15.31 | 0.995 | 11.7 | 2 | 0.68 | 3.32 0.982 |
| 7/28 | 24.0 | 5 | 2.00 | 9.79 0.783 | | | 0.00 | 15.31 | 0.995 | | | 0.00 | 3.32 0.982 |
| 7/29 | 24.0 | 9 | 3.75 | 9.33 0.888 | 4.0 | 2 | 2.17 | 15.18 | 0.998 | 11.7 | 0 | 0.00 | 3.14 0.982 |
| 7/30 | 24.0 | 8 | 3.33 | 8.98 0.831 | | | 0.00 | 15.18 | 0.998 | | | 0.00 | 3.14 0.982 |
| 7/31 | 24.0 | 18 | 4.17 | 8.58 0.858 | | | 0.00 | 15.18 | 0.998 | 11.6 | 0 | 0.00 | 2.97 0.982 |
| 8/01 | 24.0 | 4 | 1.67 | 8.15 0.869 | | | 0.00 | 15.18 | 0.998 | | | 0.00 | 2.97 0.982 |
| 8/02 | 24.0 | 4 | 1.67 | 7.77 0.881 | 4.0 | 0 | 0.00 | 14.86 | 0.998 | 12.1 | 0 | 0.00 | 2.82 0.982 |
| 8/03 | 24.0 | 6 | 2.50 | 7.48 0.897 | | | 0.00 | 14.86 | 0.998 | 12.2 | 0 | 0.00 | 2.68 0.982 |
| 8/04 | 24.0 | 4 | 1.67 | 7.17 0.988 | 13.2 | 1 | 0.00 | 14.22 | 0.999 | | | 0.00 | 2.68 0.982 |
| 8/05 | 24.0 | 2 | 0.83 | 6.85 0.914 | 7.0 | 0 | 0.00 | 13.88 | 0.999 | 11.0 | 1 | 0.34 | 2.58 0.988 |
| 8/06 | 24.0 | 10 | 4.17 | 6.73 0.942 | | | 0.00 | 13.88 | 0.999 | | | 0.00 | 2.58 0.988 |
| 8/07 | 24.0 | 12 | 5.00 | 6.65 0.975 | | | 0.00 | 13.88 | 0.999 | 12.0 | 0 | 0.00 | 2.45 0.988 |
| 8/08 | 24.0 | 1 | 0.42 | 6.38 0.978 | 12.0 | 0 | 0.00 | 13.34 | 0.999 | | | 0.00 | 2.45 0.988 |
| 8/09 | 24.0 | 1 | 0.42 | 6.13 0.981 | 12.0 | 0 | 0.00 | 12.82 | 0.999 | 25.7 | 0 | 0.00 | 2.24 0.988 |
| 8/10 | 24.0 | 2 | 0.83 | 5.92 0.986 | | | 0.00 | 12.82 | 0.999 | 12.5 | 0 | 0.00 | 2.15 0.988 |
| 8/11 | 24.0 | 2 | 0.83 | 5.72 0.992 | 12.2 | 0 | 0.00 | 12.36 | 0.999 | | | 0.00 | 2.15 0.988 |
| 8/12 | 24.0 | 3 | 1.25 | 5.56 1.000 | 12.5 | 0 | 0.00 | 11.93 | 0.999 | 1.3 | 0 | 0.00 | 2.14 0.988 |
| 8/13 | 24.0 | 0 | 0.00 | 5.36 1.000 | | | 0.00 | 11.93 | 0.999 | | | 0.00 | 2.14 0.988 |
| 8/14 | 24.0 | 0 | 0.00 | 5.17 1.000 | | | 0.00 | 11.93 | 0.999 | 10.7 | 1 | 0.37 | 2.08 0.994 |
| 8/15 | | | | | 12.3 | 1 | 0.41 | 11.54 | 1.000 | | | 0.00 | 2.08 0.994 |
| 8/16 | | | | | | | | | | 12.2 | 1 | 0.33 | 2.02 1.000 |
| 8/17 | | | | | | | | | | | | | |
| 8/18 | | | | | | | | | | | | | |
| 8/19 | | | | | | | | | | | | | |
| 8/20 | | | | | | | | | | | | | |
| Totals | 696.6 | 360 | 150.0 | | 368.6 | 851 | 385.6 | | | 334.6 | 169 | 57.4 | |
| Mean day of catch | 7/25 | | | | Mean day of catch | 7/09 | | | | Mean day of catch | 7/12 | | |

-continued-

Appendix Table 3. (p. 2 of 3).

pink salmon catch, 1984
counts begin the day the
tenth salmon was caught

pink salmon catch, 1985
counts begin the day the
first salmon was caught

pink salmon catch, 1986
count begins the day the
tenth salmon was caught

| Date | Hours | Catch | CPU | Cum-CPU | CP(C) | Hours | Catch | CPU | Cum-CPU | CP(C) | Hours | Catch | CPU | Cum-CPU | CP(C) | |
|-------------------|-------|-------|-------|---------|-------|-------------------|-------|------|---------|-------|-------|-------------------|-------|---------|-------|-------|
| 6/16 | | | | | | | | | | | | | | | | |
| 6/17 | | | | | | | | | | | | | | | | |
| 6/18 | | | | | | | | | | | | | | | | |
| 6/19 | | | | | | | | | | | | | | | | |
| 6/20 | | | | | | | | | | | | | | | | |
| 6/21 | | | | | | | | | | | | | | | | |
| 6/22 | 24.1 | 11 | 2.28 | 2.28 | 0.817 | | | | | | | | | | | |
| 6/23 | | | 0.00 | 2.28 | 0.817 | | | | | | | | | | | |
| 6/24 | | | 0.00 | 2.28 | 0.817 | | | | | | | | | | | |
| 6/25 | 24.2 | 12 | 2.48 | 2.38 | 0.835 | | | | | | | | | | | |
| 6/26 | | | 0.00 | 2.38 | 0.835 | | | | | | | | | | | |
| 6/27 | 24.5 | 29 | 5.92 | 3.57 | 0.879 | | | | | | | | | | | |
| 6/28 | | | 0.00 | 3.57 | 0.879 | | | | | | | | | | | |
| 6/29 | 24.4 | 29 | 5.94 | 4.17 | 0.812 | 24.1 | 1 | 0.21 | 0.21 | 0.877 | 8.8 | 8 | 0.88 | 5.61 | 0.282 | |
| 6/30 | | | 0.00 | 4.17 | 0.812 | 23.7 | 1 | 0.21 | 0.21 | 0.154 | 24.0 | 64 | 13.33 | 6.52 | 0.371 | |
| 7/01 | | | 0.00 | 4.17 | 0.812 | 9.8 | 0 | 0.00 | 0.17 | 0.154 | 24.1 | 75 | 15.56 | 7.47 | 0.476 | |
| 7/02 | 23.8 | 41 | 8.61 | 5.84 | 0.186 | 7.8 | 0 | 0.00 | 0.15 | 0.154 | 23.9 | 66 | 13.81 | 8.87 | 0.567 | |
| 7/03 | | | 0.00 | 5.84 | 0.186 | 24.8 | 0 | 0.00 | 0.11 | 0.154 | 24.1 | 29 | 6.82 | 7.89 | 0.608 | |
| 7/04 | 24.8 | 32 | 6.67 | 5.31 | 0.234 | 23.8 | 0 | 0.00 | 0.09 | 0.154 | 23.9 | 28 | 5.88 | 7.73 | 0.647 | |
| 7/05 | | | 0.00 | 5.31 | 0.234 | 23.9 | 0 | 0.00 | 0.07 | 0.154 | 12.2 | 11 | 4.51 | 7.68 | 0.662 | |
| 7/06 | 24.1 | 45 | 9.34 | 5.88 | 0.363 | 9.2 | 1 | 0.54 | 0.18 | 0.231 | 8.8 | 0 | 0.88 | 7.68 | 0.662 | |
| 7/07 | | | 0.00 | 5.88 | 0.363 | | | 0.00 | 0.18 | 0.231 | 24.4 | 2 | 0.41 | 7.88 | 0.665 | |
| 7/08 | | | 0.00 | 5.88 | 0.363 | | | 0.00 | 0.12 | 0.388 | 24.5 | 2 | 0.41 | 6.63 | 0.668 | |
| 7/09 | 24.1 | 61 | 12.66 | 6.73 | 0.396 | 24.1 | 0 | 0.00 | 0.18 | 0.388 | 23.8 | 4 | 0.84 | 6.27 | 0.673 | |
| 7/10 | | | 0.00 | 6.73 | 0.396 | 23.9 | 0 | 0.00 | 0.09 | 0.388 | 23.9 | 3 | 0.63 | 5.94 | 0.677 | |
| 7/11 | 23.9 | 81 | 16.95 | 7.85 | 0.519 | 24.1 | 0 | 0.00 | 0.08 | 0.388 | 24.2 | 3 | 0.62 | 5.65 | 0.682 | |
| 7/12 | | | 0.00 | 7.85 | 0.519 | 24.4 | 0 | 0.00 | 0.08 | 0.388 | 12.4 | 1 | 0.48 | 5.58 | 0.682 | |
| 7/13 | 24.1 | 97 | 28.12 | 9.08 | 0.667 | 8.6 | 0 | 0.00 | 0.07 | 0.388 | 8.8 | 0 | 0.68 | 5.58 | 0.683 | |
| 7/14 | | | 0.00 | 9.08 | 0.667 | | | 0.00 | 0.07 | 0.388 | 24.6 | 3 | 0.61 | 5.25 | 0.687 | |
| 7/15 | | | 0.00 | 9.08 | 0.667 | | | 0.00 | 0.07 | 0.388 | 23.8 | 2 | 0.43 | 5.82 | 0.698 | |
| 7/16 | 24.6 | 48 | 16.00 | 9.16 | 0.748 | 23.9 | 0 | 0.00 | 0.06 | 0.388 | 24.1 | 3 | 0.62 | 4.82 | 0.694 | |
| 7/17 | | | 0.00 | 9.16 | 0.748 | 24.3 | 3 | 0.62 | 0.18 | 0.538 | 24.8 | 14 | 2.92 | 4.73 | 0.713 | |
| 7/18 | 24.2 | 37 | 7.64 | 9.84 | 0.796 | 33.8 | 4 | 0.59 | 0.14 | 0.846 | 26.4 | 24 | 4.55 | 4.72 | 0.747 | |
| 7/19 | | | 0.00 | 9.84 | 0.796 | 24.1 | 0 | 0.00 | 0.14 | 0.846 | 0.8 | 0 | 0.00 | 4.72 | 0.747 | |
| 7/20 | 24.8 | 44 | 9.17 | 9.85 | 0.863 | | | 0.00 | 0.14 | 0.846 | 0.8 | 0 | 0.00 | 4.72 | 0.747 | |
| 7/21 | | | 0.00 | 9.85 | 0.863 | | | 0.00 | 0.14 | 0.846 | 0.8 | 0 | 0.00 | 4.72 | 0.747 | |
| 7/22 | | | 0.00 | 9.85 | 0.863 | 24.2 | 1 | 0.21 | 0.14 | 0.923 | 24.2 | 13 | 2.69 | 4.64 | 0.765 | |
| 7/23 | 23.5 | 49 | 18.43 | 9.14 | 0.938 | 24.9 | 0 | 0.00 | 0.13 | 0.923 | 26.8 | 10 | 1.87 | 4.52 | 0.779 | |
| 7/24 | | | 0.00 | 9.14 | 0.938 | 23.1 | 1 | 0.22 | 0.14 | 1.000 | 12.9 | 23 | 0.91 | 4.61 | 0.811 | |
| 7/25 | 23.9 | 12 | 2.51 | 8.78 | 0.956 | | | | | | 24.1 | 41 | 0.51 | 4.75 | 0.868 | |
| 7/26 | 24.0 | 15 | 3.13 | 8.35 | 0.979 | | | | | | 12.8 | 22 | 0.17 | 4.83 | 0.898 | |
| 7/27 | 24.1 | 9 | 1.87 | 7.97 | 0.992 | | | | | | 0.8 | 0 | 0.00 | 4.83 | 0.898 | |
| 7/28 | 11.4 | 0 | 0.00 | 7.76 | 0.992 | | | | | | 24.2 | 7 | 1.45 | 4.71 | 0.908 | |
| 7/29 | | | 0.00 | 7.76 | 0.992 | | | | | | 24.2 | 7 | 1.45 | 4.69 | 0.918 | |
| 7/30 | 24.6 | 1 | 0.28 | 7.34 | 0.994 | | | | | | 23.9 | 3 | 0.63 | 4.48 | 0.922 | |
| 7/31 | 2.7 | 0 | 0.00 | 7.29 | 0.994 | | | | | | 24.5 | 10 | 2.84 | 4.48 | 0.936 | |
| 8/01 | 23.3 | 2 | 0.43 | 6.95 | 0.997 | | | | | | | 0.68 | 4.48 | 0.936 | | |
| 8/02 | | | 0.00 | 6.95 | 0.997 | | | | | | | 0.68 | 4.48 | 0.936 | | |
| 8/03 | 4.6 | 0 | 0.00 | 6.89 | 0.997 | | | | | | | 0.68 | 4.48 | 0.936 | | |
| 8/04 | | | 0.00 | 6.89 | 0.997 | | | | | | | 0.68 | 4.48 | 0.936 | | |
| 8/05 | | | 0.00 | 6.89 | 0.997 | | | | | | | 24.2 | 14 | 2.89 | 4.35 | 0.955 |
| 8/06 | 24.3 | 6 | 0.00 | 6.55 | 0.997 | | | | | | | 24.2 | 6 | 1.24 | 4.26 | 0.964 |
| 8/07 | | | 0.00 | 6.55 | 0.997 | | | | | | | 23.7 | 7 | 1.48 | 4.18 | 0.974 |
| 8/08 | 23.3 | 8 | 0.00 | 6.26 | 0.997 | | | | | | | 24.4 | 1 | 0.28 | 4.07 | 0.975 |
| 8/09 | | | 0.00 | 6.26 | 0.997 | | | | | | | 11.9 | 2 | 0.84 | 4.02 | 0.978 |
| 8/10 | 23.9 | 0 | 0.00 | 5.99 | 0.997 | | | | | | | | 0.68 | 4.02 | 0.978 | |
| 8/11 | | | 0.00 | 5.99 | 0.997 | | | | | | | 24.8 | 6 | 1.25 | 3.95 | 0.984 |
| 8/12 | | | 0.00 | 5.99 | 0.997 | | | | | | | 24.2 | 2 | 0.41 | 3.86 | 0.988 |
| 8/13 | 24.8 | 2 | 0.42 | 5.75 | 1.000 | | | | | | | 24.8 | 0 | 0.00 | 3.76 | 0.989 |
| 8/14 | | | | | | | | | | | | 24.1 | 1 | 0.21 | 3.67 | 0.990 |
| 8/15 | | | | | | | | | | | | 24.1 | 3 | 0.62 | 3.68 | 0.994 |
| 8/16 | | | | | | | | | | | | 12.0 | 2 | 0.83 | 3.56 | 0.997 |
| 8/17 | | | | | | | | | | | | | 0.68 | 3.56 | 0.997 | |
| 8/18 | | | | | | | | | | | | 23.9 | 0 | 0.00 | 3.48 | 0.997 |
| 8/19 | | | | | | | | | | | | 24.1 | 1 | 0.21 | 3.41 | 0.999 |
| 8/20 | | | | | | | | | | | | 24.0 | 1 | 0.21 | 3.33 | 1.000 |
| Totals | 571.0 | 657 | 136.8 | | | 476.4 | 13 | 2.8 | | | | 1078.0 | 719 | 162.3 | | |
| Mean day of catch | 7/11 | | | | | Mean day of catch | 7/14 | | | | | Mean day of catch | 7/8 | | | |

-continued-

Appendix Table 3. (p. 3 of 3).

pink salmon catch, 1968
counts begin the day the
first salmon was caught

pink salmon catch, 1968
counts begin the day the
tenth salmon was caught

| Date | Hours | CDM | | | CLM | | | |
|------|-------|-------|------|------------|-------|-------|-------|------------|
| | | Catch | CPUE | CP(C) | Hours | Catch | CPUE | CP(C) |
| 6/14 | | | | | 1 | 0.00 | 0.00 | 0.001 |
| 6/15 | | | | | 2 | 0.00 | 0.00 | 0.003 |
| 6/16 | | | | | 2 | 0.00 | 0.00 | 0.006 |
| 6/17 | | | | | | 0.00 | 0.00 | 0.006 |
| 6/18 | | | | | 1 | 0.00 | 0.00 | 0.007 |
| 6/19 | | | | | | 0.00 | 0.00 | 0.007 |
| 6/20 | | | | | 24.3 | 32 | 6.58 | 7.82 0.844 |
| 6/21 | | | | | 23.9 | 26 | 4.18 | 6.82 0.867 |
| 6/22 | | | | | 24.0 | 35 | 7.29 | 6.44 0.107 |
| 6/23 | | | | | 24.2 | 22 | 4.55 | 5.96 0.132 |
| 6/24 | | | | | 23.7 | 18 | 2.11 | 5.28 0.144 |
| 6/25 | | | | | 9.0 | 16 | 0.89 | 5.46 0.162 |
| 6/26 | | | | | | | 0.00 | 5.46 0.162 |
| 6/27 | | | | | 24.1 | 54 | 11.20 | 6.36 0.225 |
| 6/28 | | | | | | | 0.00 | 6.36 0.225 |
| 6/29 | | | | | 53.0 | 53 | 5.08 | 6.81 0.286 |
| 6/30 | | | | | 19.1 | 38 | 9.95 | 6.35 0.329 |
| 7/01 | | | | | 24.2 | 72 | 14.88 | 7.17 0.412 |
| 7/02 | | | | | 18.3 | 27 | 13.11 | 7.41 0.444 |
| 7/03 | | | | | | | 0.00 | 7.41 0.444 |
| 7/04 | | | | | 24.2 | 38 | 7.85 | 7.45 0.487 |
| 7/05 | | | | | 24.0 | 32 | 6.67 | 7.39 0.524 |
| 7/06 | | | | | 24.8 | 23 | 4.79 | 7.28 0.551 |
| 7/07 | | | | | 24.1 | 29 | 6.82 | 7.12 0.584 |
| 7/08 | 24.1 | 2 | 0.41 | 0.41 0.022 | 23.9 | 27 | 5.65 | 7.83 0.615 |
| 7/09 | 24.0 | 1 | 0.21 | 0.31 0.034 | 11.6 | 22 | 9.48 | 7.18 0.641 |
| 7/10 | 24.3 | 5 | 1.03 | 0.55 0.098 | | | 0.00 | 7.18 0.641 |
| 7/11 | 11.2 | 1 | 0.45 | 0.54 0.181 | 24.4 | 115 | 23.57 | 8.86 0.773 |
| 7/12 | | | 0.00 | 0.54 0.181 | 23.9 | 52 | 16.88 | 8.22 0.833 |
| 7/13 | 23.3 | 1 | 0.21 | 0.47 0.112 | 23.9 | 36 | 7.53 | 8.18 0.874 |
| 7/14 | 23.9 | 8 | 0.00 | 0.38 0.112 | 23.9 | 14 | 2.93 | 7.92 0.891 |
| 7/15 | | | 0.00 | 0.38 0.112 | 24.1 | 9 | 1.87 | 7.64 0.901 |
| 7/16 | 48.4 | 19 | 1.03 | 0.56 0.225 | 18.8 | 7 | 3.24 | 7.55 0.909 |
| 7/17 | 23.8 | 2 | 0.42 | 0.54 0.247 | | | 0.00 | 7.55 0.909 |
| 7/18 | 18.9 | 6 | 0.00 | 0.51 0.247 | 24.1 | 14 | 2.90 | 7.34 0.925 |
| 7/19 | | | 0.00 | 0.51 0.247 | 24.0 | 12 | 2.50 | 7.14 0.939 |
| 7/20 | 24.2 | 19 | 3.93 | 0.86 0.461 | 24.0 | 6 | 1.25 | 6.98 0.946 |
| 7/21 | 23.8 | 22 | 4.62 | 1.28 0.788 | 24.2 | 0 | 1.65 | 6.78 0.955 |
| 7/22 | 24.0 | 18 | 3.75 | 1.42 0.918 | 24.0 | 6 | 1.25 | 6.49 0.962 |
| 7/23 | 24.3 | 3 | 0.62 | 1.35 0.944 | 25.4 | 3 | 0.59 | 6.27 0.965 |
| 7/24 | 23.8 | 4 | 0.04 | 1.32 0.989 | | | 0.00 | 6.27 0.965 |
| 7/25 | 18.5 | 9 | 0.00 | 1.28 0.989 | | | 0.00 | 6.27 0.965 |
| 7/26 | | | 0.00 | 1.28 0.989 | | | 0.00 | 6.27 0.965 |
| 7/27 | 23.4 | 0 | 0.00 | 1.20 0.989 | 22.7 | 0 | 1.76 | 6.12 0.975 |
| 7/28 | 24.3 | 1 | 0.21 | 1.13 1.000 | 24.3 | 5 | 1.83 | 5.95 0.980 |
| 7/29 | | | | | 23.6 | 4 | 0.05 | 5.79 0.985 |
| 7/30 | | | | | 18.3 | 1 | 0.49 | 5.71 0.986 |
| 7/31 | | | | | | | 0.00 | 5.71 0.986 |
| 8/01 | | | | | 24.0 | 8 | 0.00 | 5.54 0.986 |
| 8/02 | | | | | 24.0 | 1 | 0.21 | 5.38 0.987 |
| 8/03 | | | | | 24.1 | 1 | 0.21 | 5.00 0.988 |
| 8/04 | | | | | 23.9 | 2 | 0.42 | 5.09 0.991 |
| 8/05 | | | | | 24.2 | 1 | 0.21 | 4.95 0.992 |
| 8/06 | | | | | 18.2 | 1 | 0.49 | 4.90 0.993 |
| 8/07 | | | | | | | 0.00 | 4.90 0.993 |
| 8/08 | | | | | 23.9 | 2 | 0.42 | 4.70 0.995 |
| 8/09 | | | | | 24.1 | 1 | 0.21 | 4.66 0.997 |
| 8/10 | | | | | | | 0.00 | 4.66 0.997 |
| 8/11 | | | | | 47.9 | 2 | 0.21 | 4.44 0.999 |
| 8/12 | | | | | 23.9 | 0 | 0.00 | 4.34 0.999 |
| 8/13 | | | | | 9.1 | 0 | 0.00 | 4.28 0.999 |
| 8/14 | | | | | | | 0.00 | 4.20 0.999 |
| 8/15 | | | | | 16.1 | 0 | 0.00 | 4.23 0.999 |
| 8/16 | | | | | 23.9 | 1 | 0.21 | 4.14 1.000 |
| 8/17 | | | | | 23.9 | 0 | 0.00 | 4.05 1.000 |
| 8/18 | | | | | 23.9 | 0 | 0.00 | 3.96 1.000 |
| 8/19 | | | | | | | 0.00 | 3.96 1.000 |
| 8/20 | | | | | 33.9 | 0 | 0.00 | 3.84 1.000 |

Total 392.2 89 17.73 Total 1130.2 668 195.05
Mean day of catch 7/28. Mean day of catch 7/4.

Appendix Table 4. Gobalkeet test net catches of chum salmon in S 7/8th gear, 1981-1988.

| chum salmon catch, 1981 counts begin the day the tenth salmon was caught | | | | | chum salmon catch, 1982 counts begin the day the tenth salmon was caught | | | | | chum salmon catch, 1983 counts begin the day the tenth salmon was caught | | | | | | |
|--|-------|-------|-------|------|--|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|-------|
| Date | Hours | Catch | CPUE | CPUF | Hours | Catch | CPUE | CPUF | Hours | Catch | CPUE | CPUF | CP(C) | | | |
| 6/15 | | | | | | | | | 12.6 | 4 | 1.38 | 1.38 | 0.887 | | | |
| 6/16 | | | | | | | | | | 0.00 | 1.38 | 0.887 | | | | |
| 6/17 | | | | | | | | | 11.6 | 3 | 1.83 | 1.21 | 0.813 | | | |
| 6/18 | | | | | 24.8 | 9 | 1.88 | 8.827 | | | 0.00 | 1.21 | 0.813 | | | |
| 6/19 | | | | | | 9 | 0.00 | 1.88 | 8.827 | 11.8 | 5 | 2.03 | 1.49 | 0.824 | | |
| 6/20 | | | | | 12.8 | 10 | 4.17 | 2.64 | 8.858 | | 0.28 | 1.49 | 0.824 | | | |
| 6/21 | | | | | | 9 | 0.00 | 2.64 | 8.858 | 11.8 | 6 | 0.98 | 1.11 | 0.824 | | |
| 6/22 | | | | | 12.8 | 8 | 1.33 | 2.81 | 8.882 | 11.7 | 18 | 1.42 | 1.57 | 0.842 | | |
| 6/23 | | | | | | 2 | 0.83 | 2.42 | 8.888 | | | 0.00 | 1.57 | 0.842 | | |
| 6/24 | | | | | 12.8 | 2 | 0.00 | 2.42 | 8.888 | 11.6 | 3 | 1.03 | 1.48 | 0.848 | | |
| 6/25 | | | | | | 3 | 1.26 | 2.23 | 8.897 | 11.9 | 11 | 3.78 | 1.98 | 0.868 | | |
| 6/26 | | | | | 11.9 | 3 | 0.00 | 2.23 | 8.897 | | | 0.00 | 1.48 | 0.848 | | |
| 6/27 | | | | | | 9.50 | 3.27 | 0.167 | | 11.9 | 11 | 3.78 | 1.98 | 0.868 | | |
| 6/28 | | | | | 12.1 | 23 | 0.00 | 3.27 | 0.167 | 11.8 | 18 | 3.39 | 2.88 | 0.886 | | |
| 6/29 | | | | | | 12.2 | 11 | 4.51 | 3.43 | 0.286 | 11.5 | 13 | 4.52 | 2.28 | 0.118 | |
| 6/30 | | | | | 13.5 | 13 | 4.81 | 3.60 | 0.239 | | | 0.00 | 2.78 | 0.118 | | |
| 7/1 | | | | | | 9 | 0.00 | 3.60 | 0.239 | 11.9 | 8 | 2.69 | 2.32 | 0.124 | | |
| 7/2 | | | | | 12.8 | 17 | 7.98 | 3.94 | 0.291 | | | 0.00 | 2.32 | 0.124 | | |
| 7/3 | | | | | | 8 | 0.00 | 3.94 | 0.291 | 11.9 | 17 | 5.71 | 2.63 | 0.155 | | |
| 7/4 | | | | | 13.5 | 28 | 7.41 | 4.29 | 0.352 | | | 0.00 | 2.63 | 0.155 | | |
| 7/5 | | | | | | 9.00 | 4.29 | 0.352 | 11.9 | 13 | 4.37 | 2.78 | 0.179 | | | |
| 7/6 | | | | | 12.8 | 4 | 1.67 | 4.98 | 0.364 | 12.8 | 17 | 5.67 | 3.81 | 0.218 | | |
| 7/7 | | | | | 5.5 | 12 | 10.91 | 4.32 | 0.486 | | | 0.00 | 3.81 | 0.218 | | |
| 7/8 | | | | | | 9.8 | 0.00 | 4.32 | 0.486 | 12.1 | 7 | 2.31 | 2.96 | 0.223 | | |
| 7/9 | | | | | 9.8 | 9 | 5.00 | 4.36 | 0.477 | | | 0.00 | 2.96 | 0.223 | | |
| 7/10 | | | | | | 6.5 | 16 | 12.31 | 4.67 | 0.476 | 11.4 | 18 | 6.32 | 3.17 | 0.256 | |
| 7/11 | | | | | 12.2 | 8 | 1.28 | 4.57 | 0.508 | | | 0.00 | 3.17 | 0.256 | | |
| 7/12 | | | | | | 9.0 | 8 | 4.44 | 4.57 | 0.524 | 11.6 | 37 | 12.76 | 3.79 | 0.346 | |
| 7/13 | | | | | 11.8 | 3 | 0.00 | 4.57 | 0.524 | 11.7 | 16 | 5.47 | 3.88 | 0.375 | | |
| 7/14 | | | | | | 9.0 | 0.00 | 4.57 | 0.524 | | | 0.00 | 3.88 | 0.375 | | |
| 7/15 | | | | | 11.8 | 3 | 1.27 | 4.37 | 0.533 | | | 0.00 | 3.88 | 0.375 | | |
| 7/16 | | | | | | 9.0 | 0.00 | 4.37 | 0.533 | 11.8 | 31 | 10.51 | 4.23 | 0.431 | | |
| 7/17 | 24.8 | 28 | 2.58 | 2.58 | 0.816 | | | | | | | 0.00 | 4.59 | 0.537 | | |
| 7/18 | 24.8 | 48 | 6.67 | 4.58 | 0.868 | 12.8 | 8 | 3.33 | 4.32 | 0.558 | | | 0.00 | 4.23 | 0.431 | |
| 7/19 | 24.8 | 36 | 5.88 | 4.72 | 0.893 | 12.8 | 19 | 7.92 | 4.53 | 0.615 | 11.8 | 18 | 6.18 | 4.33 | 0.464 | |
| 7/20 | 24.8 | 68 | 8.13 | 5.63 | 0.147 | | | | 0.00 | 4.51 | 0.615 | 11.5 | 29 | 10.89 | 4.59 | 0.517 |
| 7/21 | 24.8 | 48 | 6.67 | 5.83 | 0.191 | 11.8 | 0 | 3.39 | 4.45 | 0.639 | | | 0.00 | 4.59 | 0.517 | |
| 7/22 | 24.8 | 12 | 1.67 | 5.14 | 0.281 | 24.5 | 38 | 7.76 | 4.76 | 0.755 | 12.2 | 17 | 5.57 | 4.54 | 0.548 | |
| 7/23 | 24.8 | 21 | 2.92 | 4.82 | 0.221 | | | 0.00 | 4.76 | 0.755 | | | 0.00 | 4.54 | 0.548 | |
| 7/24 | 24.8 | 36 | 5.88 | 4.84 | 0.253 | | | 0.00 | 4.76 | 0.755 | 11.5 | 24 | 3.35 | 4.88 | 0.592 | |
| 7/25 | 24.8 | 33 | 4.58 | 4.81 | 0.283 | 12.6 | 23 | 9.13 | 4.96 | 0.824 | 12.8 | 19 | 6.33 | 4.86 | 0.627 | |
| 7/26 | 24.8 | 68 | 8.13 | 5.17 | 0.338 | 2.5 | 3 | 6.00 | 4.97 | 0.833 | 11.7 | 11 | 3.76 | 4.82 | 0.647 | |
| 7/27 | 24.8 | 63 | 8.75 | 5.49 | 0.395 | | | 0.00 | 4.97 | 0.833 | | | 0.00 | 4.82 | 0.647 | |
| 7/28 | 24.8 | 52 | 7.22 | 5.64 | 0.442 | | | 0.00 | 4.97 | 0.833 | | | 0.00 | 4.82 | 0.647 | |
| 7/29 | 24.8 | 111 | 15.42 | 6.23 | 0.543 | 4.6 | 0 | 8.78 | 5.03 | 0.858 | 11.7 | 14 | 4.79 | 4.82 | 0.673 | |
| 7/30 | 24.8 | 66 | 9.17 | 6.59 | 0.603 | | | 0.00 | 5.03 | 0.858 | | | 0.00 | 4.82 | 0.673 | |
| 7/31 | 24.8 | 36 | 5.88 | 6.48 | 0.635 | | | 0.00 | 5.03 | 0.858 | 11.6 | 18 | 6.21 | 4.87 | 0.766 | |
| 8/1 | 24.8 | 9 | 1.25 | 6.15 | 0.643 | 3.0 | 3 | 5.00 | 5.03 | 0.867 | | | 0.00 | 4.87 | 0.766 | |
| 8/2 | 24.8 | 8 | 0.68 | 5.79 | 0.643 | 4.4 | 1 | 1.14 | 4.97 | 0.870 | 12.1 | 9 | 2.98 | 4.88 | 0.722 | |
| 8/3 | 24.8 | 12 | 1.67 | 5.56 | 0.654 | | | 0.00 | 4.97 | 0.870 | 12.2 | 17 | 5.57 | 4.03 | 0.753 | |
| 8/4 | 24.8 | 21 | 3.92 | 5.42 | 0.673 | 13.2 | 5 | 1.89 | 4.84 | 0.895 | 11.8 | 8 | 2.71 | 4.76 | 0.768 | |
| 8/5 | 24.8 | 33 | 4.58 | 5.18 | 0.783 | 7.3 | 5 | 1.42 | 4.88 | 0.908 | | | 0.00 | 4.76 | 0.768 | |
| 8/6 | 24.8 | 24 | 3.33 | 5.28 | 0.725 | | | 0.00 | 4.88 | 0.908 | | | 0.00 | 4.76 | 0.768 | |
| 8/7 | 24.8 | 33 | 4.58 | 5.25 | 0.735 | | | 0.00 | 4.88 | 0.908 | 12.8 | 19 | 5.94 | 4.88 | 0.833 | |
| 8/8 | 24.8 | 33 | 4.58 | 5.22 | 0.785 | 12.6 | 6 | 2.38 | 4.71 | 0.918 | | | 0.00 | 4.88 | 0.833 | |
| 8/9 | 24.8 | 27 | 3.75 | 5.16 | 0.869 | 12.9 | 2 | 0.78 | 4.56 | 0.924 | 25.7 | 10 | 1.56 | 4.59 | 0.821 | |
| 8/10 | 24.8 | 18 | 2.58 | 5.08 | 0.826 | | | 0.00 | 4.56 | 0.924 | 12.5 | 14 | 4.48 | 4.58 | 0.846 | |
| 8/11 | 24.8 | 27 | 3.75 | 5.01 | 0.858 | 12.2 | 4 | 1.64 | 4.46 | 0.936 | | | 0.00 | 4.58 | 0.846 | |
| 8/12 | 24.8 | 21 | 3.92 | 4.93 | 0.869 | 12.5 | 3 | 1.28 | 4.34 | 0.945 | 1.3 | 1 | 3.88 | 4.56 | 0.848 | |
| 8/13 | 24.8 | 3 | 0.42 | 4.77 | 0.872 | | | 0.00 | 4.34 | 0.945 | | | 0.00 | 4.56 | 0.848 | |
| 8/14 | 24.8 | 25 | 3.47 | 4.72 | 0.895 | | | 0.00 | 4.34 | 0.945 | 16.7 | 5 | 1.87 | 4.51 | 0.857 | |
| 8/15 | 24.8 | 38 | 4.17 | 4.76 | 0.922 | 12.3 | 2 | 0.81 | 4.22 | 0.952 | | | 0.00 | 4.51 | 0.857 | |
| 8/16 | 24.8 | 14 | 1.94 | 4.61 | 0.935 | 12.2 | 2 | 0.92 | 4.12 | 0.958 | 12.2 | 4 | 1.31 | 4.42 | 0.865 | |
| 8/17 | 24.8 | 9 | 1.25 | 4.51 | 0.943 | | | 0.00 | 4.12 | 0.958 | 12.3 | 15 | 4.08 | 4.43 | 0.892 | |
| 8/18 | 24.8 | 14 | 1.94 | 4.43 | 0.956 | 12.8 | 0 | 3.99 | 4.00 | 0.956 | | | 0.00 | 4.43 | 0.892 | |
| 8/19 | 24.8 | 8 | 1.11 | 4.33 | 0.963 | 12.2 | 1 | 0.41 | 3.88 | 0.962 | 11.8 | 11 | 3.73 | 4.41 | 0.912 | |
| 8/20 | 24.8 | 6 | 0.83 | 4.22 | 0.968 | | | 0.00 | 3.88 | 0.961 | | | 0.00 | 4.41 | 0.912 | |
| 8/21 | 24.8 | 7 | 0.97 | 4.14 | 0.975 | | | 0.00 | 3.88 | 0.961 | 11.2 | 3 | 1.87 | 4.43 | 0.918 | |
| 8/22 | 24.8 | 1 | 0.14 | 4.84 | 0.975 | | | 0.00 | 3.88 | 0.961 | | | 0.00 | 4.43 | 0.918 | |
| 8/23 | 24.8 | 1 | 0.14 | 4.84 | 0.975 | 12.2 | 1 | 0.41 | 3.78 | 0.964 | | | 0.00 | 4.43 | 0.918 | |
| 8/24 | 24.8 | 2 | 0.14 | 4.84 | 0.976 | 11.8 | 4 | 1.69 | 3.73 | 0.976 | 12.8 | 6 | 2.08 | 4.27 | 0.929 | |
| 8/25 | 24.8 | 2 | 0.28 | 3.84 | 0.978 | | | 0.00 | 3.73 | 0.976 | 11.5 | 7 | 2.43 | 4.22 | 0.941 | |
| 8/26 | 24.8 | 2 | 0.28 | 3.75 | 0.988 | 12.1 | 1 | 0.41 | 3.64 | 0.979 | | | 0.00 | 4.22 | 0.941 | |
| 8/27 | 24.8 | 2 | 0.28 | 3.67 | 0.982 | 12.2 | 0 | 0.00 | 3.54 | 0.979 | 11.5 | 5 | 1.74 | 4.17 | 0.951 | |
| 8/28 | 24.8 | 7 | 0.97 | 3.60 | 0.988 | | | 0.00 | 3.54 | 0.979 | | | 0.00 | 4.17 | 0.951 | |
| 8/29 | 24.8 | 8 | 0.00 | 3.84 | 0.995 | | | 0.00 | 3.84 | 0.995 | 11.9 | 1 | 6.34 | 4.68 | 0.952 | |
| 8/30 | 24.8 | 1 | 0.00 | 3.17 | 0.991 | 11.3 | 0 | 0.00 | 3.48 | 0.988 | | | 0.00 | 4.68 | 0.952 | |
| 8/31 | 24.8 | 2 | 0.28 | 1.10 | 0.993 | | | 0.00 | 3.16 | 0.988 | 11.7 | 6 | 0.89 | 3.93 | 0.968 | |
| 8/32 | 24.8 | 2 | 0.28 | 3.24 | 0.995 | 12.2 | 0 | 0.00 | 3.11 | 0.988 | | | 0.00 | 3.93 | 0.968 | |
| 8/33 | 24.8 | 0 | 0.00 | 3.17 | 0.995 | 11.5 | 0 | 0.00 | 3.24 | 0.998 | 12.3 | 3 | 0.98 | 3.86 | 0.965 | |
| 8/34 | 24.8 | 0 | 0.00 | 3.04 | 0.995 | | | 0.00 | 3.24 | 0.998 | 47.9 | 2 | 0.17 | 3.57 | 0.969 | |
| 8/35 | 24.8 | 1 | 0.14 | 2.99 | 0.995 | 11.6 | 0 | 0.00 | 3.16 | 0.998 | | | 0.00 | 3.57 | 0.969 | |
| 8/36 | 24.8 | 1 | 0.14 | 2.94 | 0.996 | 9.8 | 0 | 0.00 | 3.16 | 0.998 | 23.8 | 1 | 0.17 | 3.44 | 0.971 | |
| 8/37 | 24.8 | 2 | 0.28 | 2.88 | 0.998 | | | | | | | | | | | |

Appendix Table 4. (p. 2 of 3).

| | chum salmon catch, 1984 | | | | | | chum salmon catch, 1985 | | | | | | chum salmon catch, 1986 | | | | | | | |
|------|--|-------|-------|--|-------|-------|--|-------|------|--|-------|-------|--|------|-------|--|-------|------|------|-------|
| | counts begin the day the tenth salmon was caught | | | counts begin the day the tenth salmon was caught | | | counts begin the day the tenth salmon was caught | | | counts begin the day the tenth salmon was caught | | | counts begin the day the tenth salmon was caught | | | counts begin the day the tenth salmon was caught | | | | |
| Date | Hours | Catch | CPUE | CPUE | CP(C) | Hours | Catch | CPUE | CPUE | CP(C) | Hours | Catch | CPUE | CPUE | CP(C) | Hours | Catch | CPUE | CPUE | CP(C) |
| 6/15 | | | | | | | | | | | | | | | | | | | | |
| 6/16 | | | | | | | | | | | | | | | | | | | | |
| 6/17 | | | | | | | | | | | | | | | | | | | | |
| 6/18 | | | | | | | | | | | | | | | | | | | | |
| 6/19 | | | | | | | | | | | | | | | | | | | | |
| 6/28 | | | | | | | | | | | | | | | | | | | | |
| 6/21 | | | | | | | | | | | | | | | | | | | | |
| 6/22 | | | | | | | | | | | | | | | | | | | | |
| 6/23 | | | | | | | | | | | | | | | | | | | | |
| 6/24 | | | | | | | | | | | | | | | | | | | | |
| 6/25 | 24.2 | 17 | 1.51 | 3.51 | 8.877 | 23.9 | 17 | 2.85 | 2.85 | 8.821 | 23.7 | 2 | 2.22 | 2.27 | 8.814 | | | | | |
| 6/26 | | | 0.88 | 3.51 | 8.877 | 25.3 | 22 | 3.48 | 3.17 | 8.848 | 24.8 | 5 | 1.84 | 1.48 | 8.874 | | | | | |
| 6/27 | 24.5 | 29 | 5.32 | 4.72 | 8.873 | 24.5 | 22 | 5.57 | 3.93 | 8.897 | 25.8 | 5 | 1.88 | 1.43 | 8.888 | | | | | |
| 6/28 | | | 0.88 | 4.72 | 8.873 | 23.7 | 19 | 3.21 | 3.72 | 8.137 | 24.8 | 18 | 2.08 | 1.49 | 8.893 | | | | | |
| 6/29 | 24.4 | 27 | 5.53 | 4.99 | 8.117 | 24.1 | 29 | 4.81 | 3.98 | 8.172 | 23.9 | 9 | 1.88 | 1.48 | 8.835 | | | | | |
| 6/30 | | | 0.88 | 4.99 | 8.117 | 23.7 | 37 | 6.24 | 4.23 | 8.217 | 24.8 | 9 | 1.88 | 1.78 | 0.121 | | | | | |
| 7/01 | | | 0.88 | 4.99 | 8.117 | 9.8 | 28 | 0.16 | 4.45 | 8.242 | 24.1 | 9 | 1.87 | 1.71 | 0.133 | | | | | |
| 7/02 | 23.8 | 39 | 8.19 | 5.78 | 0.179 | 7.8 | 34 | 19.43 | 5.92 | 0.283 | 23.9 | 6 | 1.26 | 1.68 | 0.141 | | | | | |
| 7/03 | | | 0.88 | 5.78 | 0.179 | 24.8 | 38 | 6.33 | 5.17 | 8.338 | 24.1 | 18 | 2.87 | 1.70 | 0.154 | | | | | |
| 7/04 | 24.8 | 31 | 6.46 | 5.91 | 0.228 | 23.8 | 36 | 6.85 | 5.26 | 0.374 | 23.9 | 8 | 1.67 | 1.78 | 0.164 | | | | | |
| 7/05 | | | 0.88 | 5.91 | 0.228 | 23.9 | 19 | 3.18 | 5.86 | 0.397 | 23.2 | 11 | 4.51 | 1.79 | 0.178 | | | | | |
| 7/06 | 24.1 | 56 | 11.62 | 6.68 | 0.318 | 9.2 | 7 | 3.84 | 4.99 | 0.465 | 0.8 | 0 | 6.88 | 1.79 | 0.178 | | | | | |
| 7/07 | | | 0.88 | 6.68 | 0.318 | 23.2 | 38 | 0.80 | 4.39 | 0.405 | 24.4 | 11 | 2.25 | 1.82 | 0.193 | | | | | |
| 7/08 | | | 0.88 | 6.86 | 0.318 | 23.8 | 34 | 6.55 | 5.12 | 0.452 | 24.5 | 11 | 2.24 | 1.84 | 0.207 | | | | | |
| 7/09 | 24.1 | 58 | 18.37 | 7.36 | 0.398 | 24.1 | 58 | 9.63 | 5.47 | 0.523 | 23.8 | 14 | 2.94 | 1.90 | 0.225 | | | | | |
| 7/10 | | | 0.88 | 7.36 | 0.398 | 23.9 | 34 | 5.69 | 5.48 | 0.564 | 23.9 | 19 | 2.89 | 1.91 | 0.239 | | | | | |
| 7/11 | 23.9 | 29 | 6.87 | 7.28 | 0.444 | 24.1 | 38 | 6.31 | 5.54 | 0.611 | 24.2 | 12 | 2.48 | 1.94 | 0.253 | | | | | |
| 7/12 | | | 0.88 | 7.28 | 0.444 | 24.4 | 22 | 3.61 | 5.41 | 0.637 | 23.4 | 18 | 4.83 | 1.99 | 0.268 | | | | | |
| 7/13 | 24.1 | 26 | 5.39 | 7.08 | 0.486 | 8.6 | 9 | 4.19 | 5.39 | 0.648 | 0.8 | 0 | 6.88 | 1.99 | 0.266 | | | | | |
| 7/14 | | | 0.88 | 7.08 | 0.486 | 0.80 | 0 | 0.80 | 5.39 | 0.648 | 24.6 | 23 | 4.67 | 2.11 | 0.296 | | | | | |
| 7/15 | | | 0.88 | 7.08 | 0.486 | 24.3 | 28 | 4.12 | 5.31 | 0.679 | 23.9 | 28 | 4.35 | 2.28 | 0.322 | | | | | |
| 7/16 | 24.8 | 22 | 4.58 | 6.76 | 0.521 | 23.9 | 3 | 6.58 | 5.85 | 0.683 | 24.1 | 17 | 3.53 | 2.25 | 0.344 | | | | | |
| 7/17 | | | 0.88 | 6.76 | 0.521 | 24.3 | 11 | 1.81 | 4.89 | 0.696 | 24.9 | 23 | 4.79 | 2.35 | 0.373 | | | | | |
| 7/18 | 24.2 | 22 | 4.55 | 6.56 | 0.555 | 33.8 | 28 | 2.37 | 4.72 | 0.728 | 26.4 | 19 | 7.50 | 2.57 | 0.425 | | | | | |
| 7/19 | | | 0.88 | 6.56 | 0.555 | 24.1 | 8 | 1.33 | 4.56 | 0.738 | 0.8 | 0 | 6.88 | 2.57 | 0.425 | | | | | |
| 7/20 | 24.8 | 28 | 5.83 | 6.58 | 0.681 | | | 0.88 | 4.56 | 0.738 | 0.8 | 0 | 6.88 | 2.57 | 0.425 | | | | | |
| 7/21 | | | 0.88 | 6.58 | 0.681 | | | 0.88 | 4.56 | 0.738 | 0.8 | 0 | 6.88 | 2.57 | 0.425 | | | | | |
| 7/22 | | | 0.88 | 6.58 | 0.681 | 24.2 | 21 | 3.47 | 4.51 | 0.756 | 24.2 | 44 | 9.89 | 2.88 | 0.482 | | | | | |
| 7/23 | 23.5 | 15 | 3.19 | 6.25 | 0.625 | 24.9 | 13 | 2.69 | 4.41 | 0.772 | 26.8 | 49 | 9.14 | 3.85 | 0.545 | | | | | |
| 7/24 | | | 0.88 | 6.25 | 0.625 | 23.1 | 19 | 1.73 | 4.38 | 0.784 | 12.9 | 26 | 10.88 | 3.18 | 0.579 | | | | | |
| 7/25 | 23.9 | 6 | 1.26 | 5.98 | 0.634 | 23.7 | 19 | 3.21 | 4.26 | 0.807 | 24.1 | 44 | 9.13 | 3.38 | 0.636 | | | | | |
| 7/26 | 24.6 | 8 | 3.75 | 5.75 | 0.663 | 24.6 | 8 | 1.39 | 4.35 | 0.817 | 12.8 | 38 | 12.58 | 3.52 | 0.674 | | | | | |
| 7/27 | 24.1 | 16 | 3.32 | 5.69 | 0.693 | 7.4 | 1 | 0.54 | 4.11 | 0.818 | 0.8 | 0 | 6.88 | 3.52 | 0.674 | | | | | |
| 7/28 | 11.4 | 3 | 1.32 | 5.48 | 0.693 | | | 0.88 | 4.11 | 0.818 | 24.2 | 34 | 7.82 | 3.63 | 0.718 | | | | | |
| 7/29 | | | 0.88 | 5.48 | 0.693 | 23.8 | 22 | 1.78 | 4.89 | 0.845 | 24.2 | 32 | 6.61 | 3.73 | 0.769 | | | | | |
| 7/30 | 24.6 | 38 | 6.18 | 5.51 | 0.741 | 23.9 | 6 | 1.88 | 3.99 | 0.852 | 23.9 | 36 | 7.53 | 3.84 | 0.886 | | | | | |
| 7/31 | | | 2.7 | 6 | 0.88 | 5.48 | 0.741 | 23.8 | 7 | 1.18 | 3.58 | 0.861 | 24.1 | 41 | 8.37 | 3.97 | 0.859 | | | |
| 8/01 | 23.7 | 7 | 1.50 | 5.27 | 0.752 | 24.2 | 7 | 1.16 | 3.01 | 0.869 | 0.88 | 0 | 6.88 | 3.97 | 0.859 | | | | | |
| 8/02 | | | 0.88 | 5.27 | 0.752 | 24.3 | 3 | 0.49 | 3.78 | 0.873 | 0.88 | 0 | 6.88 | 3.97 | 0.859 | | | | | |
| 8/03 | 4.6 | 4 | 4.35 | 5.26 | 0.759 | 19.7 | 1 | 0.37 | 3.66 | 0.874 | 0.88 | 0 | 6.88 | 3.97 | 0.859 | | | | | |
| 8/04 | | | 0.88 | 5.26 | 0.759 | 23.8 | 2 | 0.34 | 3.56 | 0.877 | 24.2 | 13 | 2.69 | 3.93 | 0.876 | | | | | |
| 8/05 | | | 0.88 | 5.26 | 0.759 | | | 0.88 | 3.44 | 0.877 | 24.2 | 19 | 3.93 | 3.93 | 0.891 | | | | | |
| 8/06 | 24.3 | 7 | 1.44 | 5.87 | 0.778 | 24.3 | 1 | 0.16 | 3.46 | 0.878 | 24.2 | 19 | 5.86 | 3.96 | 0.912 | | | | | |
| 8/07 | | | 0.88 | 5.87 | 0.778 | 24.0 | 3 | 0.58 | 3.38 | 0.882 | 23.7 | 24 | 5.86 | 3.96 | 0.912 | | | | | |
| 8/08 | 23.3 | 11 | 2.36 | 4.94 | 0.788 | 24.8 | 9 | 1.58 | 3.33 | 0.893 | 24.4 | 6 | 1.73 | 3.89 | 0.939 | | | | | |
| 8/09 | | | 0.88 | 4.94 | 0.788 | 24.6 | 13 | 2.17 | 3.29 | 0.908 | 11.9 | 2 | 8.84 | 3.85 | 0.942 | | | | | |
| 8/10 | 23.9 | 6 | 1.26 | 4.77 | 0.797 | 11.9 | 5 | 1.82 | 3.28 | 0.915 | 24.8 | 6 | 1.25 | 3.79 | 0.959 | | | | | |
| 8/11 | | | 0.88 | 4.77 | 0.797 | | | 0.88 | 3.28 | 0.915 | 24.8 | 6 | 1.21 | 3.78 | 0.951 | | | | | |
| 8/12 | | | 0.88 | 4.77 | 0.797 | 24.2 | 9 | 1.49 | 3.23 | 0.926 | 24.2 | 1 | 9.21 | 3.78 | 0.951 | | | | | |
| 8/13 | 24.0 | 14 | 2.92 | 4.69 | 0.819 | 24.8 | 9 | 1.58 | 3.19 | 0.937 | 24.8 | 12 | 2.58 | 3.67 | 0.966 | | | | | |
| 8/14 | 24.2 | 12 | 2.48 | 4.69 | 0.839 | 23.2 | 6 | 1.18 | 3.13 | 0.946 | 24.1 | 5 | 1.84 | 3.61 | 0.973 | | | | | |
| 8/15 | 23.8 | 7 | 1.47 | 4.47 | 0.858 | 19.5 | 11 | 2.26 | 3.11 | 0.968 | 24.1 | 4 | 8.83 | 3.55 | 0.978 | | | | | |
| 8/16 | | | 0.88 | 4.47 | 0.858 | 23.5 | 11 | 1.87 | 3.08 | 0.973 | 12.8 | 3 | 1.25 | 3.52 | 0.982 | | | | | |
| 8/17 | 25.0 | 13 | 2.68 | 4.48 | 0.871 | 11.6 | 6 | 0.86 | 3.05 | 0.973 | 23.9 | 1 | 9.21 | 3.45 | 0.983 | | | | | |
| 8/18 | | | 0.88 | 4.48 | 0.871 | | | 0.88 | 3.05 | 0.973 | 24.8 | 1 | 9.21 | 3.45 | 0.983 | | | | | |
| 8/19 | | | 0.88 | 4.48 | 0.871 | 24.1 | 1 | 0.17 | 2.98 | 0.974 | 24.1 | 2 | 9.41 | 3.39 | 0.986 | | | | | |
| 8/20 | 24.6 | 7 | 1.46 | 4.29 | 0.882 | 23.8 | 5 | 0.84 | 2.94 | 0.980 | 24.8 | 1 | 9.21 | 3.32 | 0.987 | | | | | |
| 8/21 | | | 0.88 | 4.29 | 0.882 | 24.8 | 3 | 0.48 | 2.88 | 0.984 | 24.8 | 2 | 8.42 | 3.26 | 0.998 | | | | | |
| 8/22 | 24.7 | 5 | 1.81 | 4.17 | 0.896 | 23.8 | | | | | | | | | | | | | | |

Appendix Table 4. (p. 3 of 3).

chum salmon catch, 1987
counts begin the day the
tenth salmon was caught

| Date | Hours | Catch | CPUE | CUN | CP(C) | Hours | Catch | CPUE | CUN | CPUE | CP(C) |
|------|-------|-------|------|------|-------|-------|-------|-------|------|-------|-------|
| 6/06 | | | | | | | | | | | |
| 6/07 | | | | | | | | | | | |
| 6/08 | | | | | | | | | | | |
| 6/09 | | | | | | | | | | | |
| 6/10 | | | | | | | | | | | |
| 6/11 | | | | | | | | | | | |
| 6/12 | | | | | | | | | | | |
| 6/13 | | | | | | | | | | | |
| 6/14 | | | | | | | | | | | |
| 6/15 | | | | | | | | | | | |
| 6/16 | | | | | | | | | | | |
| 6/17 | 24.3 | 9 | 1.85 | 1.85 | 8.015 | 24.2 | 4 | 0.83 | 2.07 | 8.026 | |
| 6/18 | 23.7 | 2 | 0.42 | 1.15 | 0.010 | 18.5 | 1 | 0.10 | 1.59 | 0.022 | |
| 6/19 | 23.9 | 2 | 0.42 | 0.59 | 0.021 | | | | | | |
| 6/20 | 11.8 | 0 | 0.00 | 0.72 | 0.021 | 24.3 | 9 | 1.85 | 1.69 | 0.040 | |
| 6/21 | | | | | | 23.9 | 11 | 2.38 | 1.07 | 0.063 | |
| 6/22 | 23.6 | 3 | 0.64 | 0.75 | 0.026 | 24.0 | 11 | 2.29 | 1.56 | 0.085 | |
| 6/23 | 23.9 | 2 | 0.42 | 0.59 | 0.030 | 24.2 | 10 | 2.07 | 1.58 | 0.105 | |
| 6/24 | 24.8 | 7 | 1.46 | 0.81 | 0.041 | 23.7 | 7 | 1.40 | 1.91 | 0.119 | |
| 6/25 | 24.1 | 11 | 2.28 | 1.88 | 0.059 | 9.8 | 6 | 1.33 | 1.98 | 0.132 | |
| 6/26 | 24.2 | 10 | 2.87 | 1.13 | 0.076 | | | | | | |
| 6/27 | | | | | | 9.8 | | | | | |
| 6/28 | 48.8 | 17 | 1.77 | 1.25 | 0.184 | 24.1 | 10 | 2.07 | 2.08 | 0.152 | |
| 6/29 | 23.9 | 12 | 2.51 | 1.36 | 0.123 | 53.0 | 6 | 0.57 | 1.68 | 0.164 | |
| 6/30 | 24.1 | 9 | 1.87 | 1.48 | 0.138 | 19.1 | 9 | 0.60 | 1.56 | 0.164 | |
| 7/01 | 23.7 | 6 | 1.27 | 1.39 | 0.148 | 24.2 | 2 | 0.41 | 1.46 | 0.168 | |
| 7/02 | 24.0 | 7 | 1.46 | 1.40 | 0.168 | 18.3 | 8 | 0.60 | 1.41 | 0.168 | |
| 7/03 | 24.0 | 2 | 0.42 | 1.11 | 0.163 | | | | | | |
| 7/04 | | | | | | 24.2 | 9 | 1.86 | 1.44 | 0.185 | |
| 7/05 | 47.6 | 15 | 1.58 | 1.34 | 0.188 | 24.8 | 9 | 1.69 | 1.47 | 0.204 | |
| 7/06 | 24.5 | 9 | 1.84 | 1.39 | 0.282 | 24.8 | 7 | 1.46 | 1.47 | 0.219 | |
| 7/07 | 24.8 | 8 | 0.89 | 1.32 | 0.292 | 24.1 | 7 | 1.45 | 1.47 | 0.213 | |
| 7/08 | 24.1 | 6 | 1.24 | 1.31 | 0.212 | 21.9 | 10 | 2.89 | 1.51 | 0.253 | |
| 7/09 | 24.8 | 18 | 3.75 | 1.40 | 0.242 | 11.6 | 4 | 1.72 | 1.53 | 0.261 | |
| 7/10 | 24.1 | 27 | 5.56 | 1.61 | 0.286 | | | | | | |
| 7/11 | 11.2 | 15 | 5.78 | 1.72 | 0.111 | 24.8 | 5 | 1.82 | 1.49 | 0.271 | |
| 7/12 | | | | | | 23.9 | 8 | 1.67 | 1.58 | 0.287 | |
| 7/13 | 23.3 | 23 | 4.94 | 1.85 | 0.349 | 23.9 | 16 | 3.35 | 1.58 | 0.328 | |
| 7/14 | 23.9 | 18 | 2.89 | 1.84 | 0.365 | 23.9 | 20 | 4.18 | 1.78 | 0.368 | |
| 7/15 | | | | | | 24.1 | 13 | 2.78 | 1.75 | 0.387 | |
| 7/16 | 48.4 | 29 | 2.87 | 1.87 | 0.398 | 18.8 | 8 | 1.78 | 1.79 | 0.483 | |
| 7/17 | 23.8 | 5 | 1.05 | 1.84 | 0.466 | | | | | | |
| 7/18 | 19.9 | 1 | 0.46 | 1.82 | 0.488 | 24.1 | 17 | 3.53 | 1.86 | 0.477 | |
| 7/19 | | | | | | 24.8 | 8 | 1.67 | 1.85 | 0.453 | |
| 7/20 | 24.2 | 18 | 2.67 | 1.83 | 0.426 | 24.8 | 7 | 1.46 | 1.84 | 0.468 | |
| 7/21 | 23.8 | 18 | 3.78 | 1.89 | 0.454 | 24.2 | 7 | 1.45 | 1.82 | 0.482 | |
| 7/22 | 24.8 | 24 | 5.88 | 1.99 | 0.492 | 24.8 | 9 | 1.89 | 1.82 | 0.500 | |
| 7/23 | 24.3 | 21 | 4.32 | 2.86 | 0.528 | 25.4 | 6 | 1.18 | 1.89 | 0.512 | |
| 7/24 | 23.8 | 23 | 4.83 | 2.15 | 0.566 | | | | | | |
| 7/25 | 18.5 | 13 | 6.19 | 2.28 | 0.587 | | | | | | |
| 7/26 | | | | | | 0.88 | 2.28 | 0.587 | 0.88 | 0.512 | |
| 7/27 | 23.4 | 8 | 1.71 | 2.19 | 0.600 | 22.7 | 35 | 7.71 | 1.98 | 0.583 | |
| 7/28 | 24.3 | 4 | 0.82 | 2.15 | 0.607 | 24.1 | 14 | 2.88 | 2.01 | 0.611 | |
| 7/29 | 23.9 | 3 | 0.63 | 2.11 | 0.612 | 23.5 | 28 | 5.93 | 2.13 | 0.658 | |
| 7/30 | 23.7 | 19 | 2.11 | 2.11 | 0.678 | 19.3 | 16 | 7.77 | 2.21 | 0.700 | |
| 7/31 | 23.9 | 5 | 1.65 | 2.88 | 0.637 | | | | | | |
| 8/01 | | | | | | 0.60 | 2.08 | 0.637 | 0.60 | 0.512 | |
| 8/02 | 47.6 | 18 | 1.89 | 2.87 | 0.666 | 24.8 | 9 | 1.88 | 2.21 | 0.745 | |
| 8/03 | 24.8 | 16 | 3.33 | 2.18 | 0.692 | 24.1 | 11 | 2.28 | 2.21 | 0.767 | |
| 8/04 | 24.2 | 15 | 3.14 | 2.12 | 0.717 | 23.9 | 14 | 2.33 | 2.23 | 0.795 | |
| 8/05 | 23.7 | 12 | 2.53 | 2.12 | 0.737 | 24.2 | 8 | 1.65 | 2.22 | 0.812 | |
| 8/06 | 24.3 | 22 | 4.53 | 2.19 | 0.773 | 19.2 | 3 | 1.47 | 2.21 | 0.818 | |
| 8/07 | 24.1 | 18 | 3.73 | 2.27 | 0.803 | | | | | | |
| 8/08 | 18.4 | 18 | 4.81 | 2.24 | 0.819 | 23.9 | 11 | 2.36 | 2.21 | 0.840 | |
| 8/09 | | | | | | 24.1 | 15 | 1.11 | 2.23 | 0.878 | |
| 8/10 | 24.2 | 8 | 1.65 | 2.23 | 0.832 | 24.8 | 9 | 1.88 | 2.23 | 0.878 | |
| 8/11 | 23.8 | 9 | 1.89 | 2.23 | 0.847 | 47.9 | 16 | 1.67 | 2.21 | 0.903 | |
| 8/12 | 23.9 | 4 | 0.84 | 2.28 | 0.854 | 23.9 | 11 | 2.38 | 2.21 | 0.925 | |
| 8/13 | 24.3 | 10 | 2.86 | 2.19 | 0.878 | 9.1 | 4 | 2.28 | 2.21 | 0.933 | |
| 8/14 | 23.9 | 8 | 1.67 | 2.16 | 0.883 | | | | | | |
| 8/15 | 23.8 | 6 | 1.26 | 2.17 | 0.893 | 16.1 | 9 | 2.08 | 2.22 | 0.951 | |
| 8/16 | 24.8 | 5 | 1.84 | 2.15 | 0.901 | 23.9 | 2 | 0.42 | 2.14 | 0.955 | |
| 8/17 | 24.2 | 16 | 2.07 | 2.14 | 0.918 | 23.9 | 2 | 0.42 | 2.14 | 0.968 | |
| 8/18 | 23.9 | 6 | 1.26 | 2.13 | 0.926 | 23.9 | 1 | 0.21 | 2.18 | 0.962 | |
| 8/19 | 24.8 | 3 | 0.63 | 2.18 | 0.933 | | | | | | |
| 8/20 | 24.2 | 7 | 1.45 | 2.89 | 0.944 | 33.9 | 1 | 0.15 | 2.84 | 0.964 | |
| 8/21 | 24.8 | 5 | 1.84 | 2.07 | 0.952 | | | | | | |
| 8/22 | 24.8 | 4 | 0.83 | 2.05 | 0.959 | 24.8 | 1 | 0.21 | 2.01 | 0.966 | |
| 8/23 | 23.9 | 2 | 0.42 | 2.02 | 0.962 | 24.8 | 9 | 0.68 | 1.97 | 0.966 | |
| 8/24 | 23.9 | 1 | 0.21 | 1.99 | 0.964 | 24.5 | 9 | 0.66 | 1.93 | 0.966 | |
| 8/25 | 24.2 | 1 | 0.21 | 1.97 | 0.965 | 23.7 | 5 | 1.05 | 1.91 | 0.976 | |
| 8/26 | 24.1 | 5 | 1.84 | 1.95 | 0.974 | 23.7 | 2 | 0.42 | 1.88 | 0.988 | |
| 8/27 | 24.0 | 2 | 0.82 | 1.91 | 0.977 | 9.8 | 2 | 1.02 | 1.88 | 0.984 | |
| 8/28 | 23.9 | 6 | 0.08 | 1.98 | 0.977 | | | | | | |
| 8/29 | 18.8 | 8 | 0.88 | 1.88 | 0.977 | 24.8 | 6 | 0.68 | 1.84 | 0.984 | |
| 8/30 | | | | | | 24.8 | 6 | 0.68 | 1.81 | 0.984 | |
| 8/31 | 13.1 | 2 | 0.76 | 1.88 | 0.988 | 24.1 | 1 | 0.21 | 1.78 | 0.985 | |
| 9/01 | 24.2 | 1 | 0.21 | 1.85 | 0.982 | 24.1 | 9 | 0.68 | 1.75 | 0.985 | |
| 9/02 | 23.9 | 3 | 0.63 | 1.83 | 0.987 | 23.9 | 3 | 0.63 | 1.73 | 0.992 | |
| 9/03 | 23.9 | 2 | 0.42 | 1.81 | 0.998 | 18.2 | 1 | 0.49 | 1.72 | 0.994 | |
| 9/04 | 24.1 | 1 | 0.21 | 1.79 | 0.992 | | | | | | |
| 9/05 | 24.8 | 2 | 0.48 | 1.77 | 0.995 | 23.9 | 8 | 0.68 | 1.69 | 0.994 | |
| 9/06 | 21.5 | 9 | 0.09 | 1.74 | 0.995 | 23.8 | 1 | 0.22 | 1.67 | 0.996 | |
| 9/07 | | | | | | 25.8 | 6 | 0.68 | 1.64 | 0.996 | |
| 9/08 | 47.8 | 3 | 0.31 | 1.71 | 1.000 | 24.2 | 5 | 0.68 | 1.62 | 0.996 | |
| 9/09 | | | | | | 24.2 | 2 | 0.41 | 1.60 | 1.000 | |
| 9/10 | | | | | | 24.8 | 8 | 0.68 | 1.57 | 1.000 | |
| 9/11 | | | | | | | | | | | |
| 9/12 | | | | | | 48.8 | 8 | 0.68 | 1.53 | 1.000 | |
| 9/13 | | | | | | | | | | | |
| 9/14 | | | | | | | | | | | |
| 9/15 | | | | | | | | | | | |
| 9/16 | | | | | | | | | | | |
| 9/17 | | | | | | | | | | | |
| 9/18 | | | | | | | | | | | |
| 9/19 | | | | | | | | | | | |
| 9/20 | | | | | | | | | | | |

Totals 1781.5 609 129.45 1617.2 494 113.36
Mean day of catch 7/22 Mean day of catch 7/22